Water Resources Data
Arkansas
Water Year 1984

COMPLETED

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-84-1

Prepared in cooperation with the Arkansas Geological
Commission and with other State and Federal agencies

CALENDAR FOR WATER YEAR 1984

1983

OCTOBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

NOVEMBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

DECEMBER

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

1984

JANUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

FEBRUARY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

MARCH

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

APRIL

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

MAY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JUNE

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	21	23
24	25	26	27	28	29	30

JULY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

AUGUST

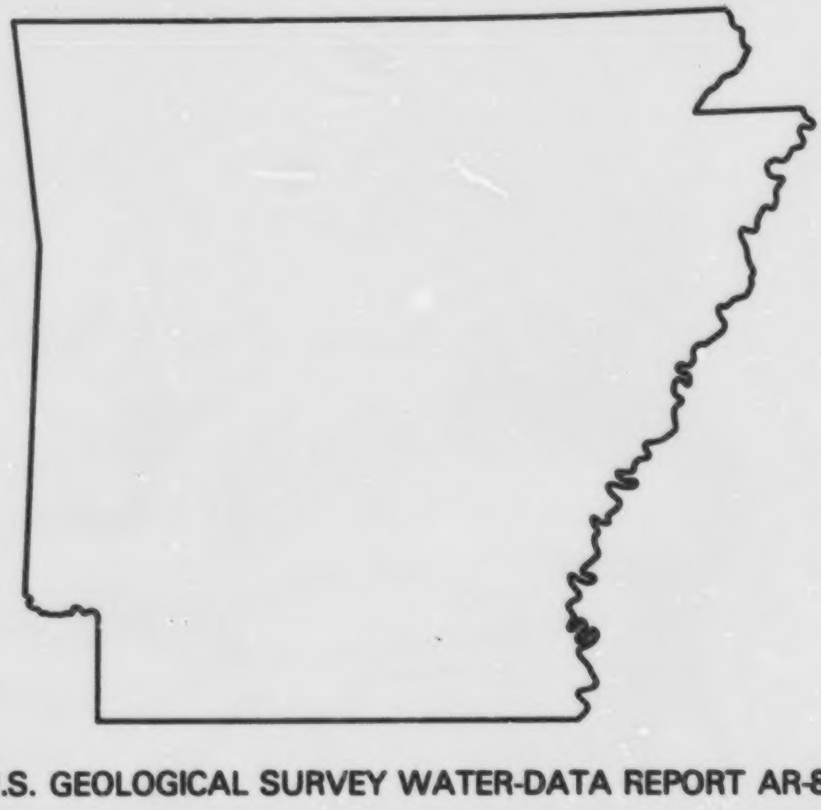
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SEPTEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Water Resources Data Arkansas
Water Year 1984

by T.E. Lamb, J.E. Porter, B.F. Lambert, and J. Edds



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-84-1

Prepared in cooperation with the Arkansas Geological Commission and with other State and Federal agencies

I

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in Arkansas write to
District Chief, Water Resources Division
U.S. Geological Survey
2301 Federal Office Building
Little Rock, Arkansas 72201-3287

1985

ii

PREFACE

This volume of the annual hydrologic data report of Arkansas is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by the State, local, amd Federal agencies, and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

T. H. Brossett
R. V. Childers
E. F. Cole
J. C. Cottingham
D. A. Evans
J. H. Garrett
A. P. Hall
C. K. Heavener
T. W. Holland
J. A. Jones
R. K. Knott
A. L. Meeker
M. A. Moore
E. E. Morris
C. E. O'Dell
J. C. Petersen
T. E. Porter
L. M. Remsing
J. L. Spencer
L. J. Thompson
K. Young

R. K. Childers typed the text of the report.

This report was prepared in cooperation with the State of Arkansas, and with other agencies under the general supervision of E. E. Gann, District Chief, Arkansas.

272-101

REPORT DOCUMENTATION PAGE

1. REPORT NO. USGS/WRD/HD-85/261

2.

3. Recipient's Accession No.

4. Title and Subtitle

Water Resources Data--Arkansas, Water Year 1984

5. Report Date July 1985

6.

7. Author(s) T.E. Lamb, J.E. Porter, B.F. Lambert, and J. Edds

8. Performing Organization Rept. No. USGS-WDR-AR-84-1

9. Performing Organization Name and Address

U.S. Geological Survey, Water Resources Division
2301 Federal Office Building
Little Rock, Arkansas 72201

10. Project/Task/Work Unit No.

11. Contract(C) or Grant(G) No.

(C)

(G)

12. Sponsoring Organization Name and Address

U.S. Geological Survey, Water Resources Division
2301 Federal Office Building
Little Rock, Arkansas 72201

13. Type of Report & Period Covered Annual-Oct. 1, 1983 to Sept. 30, 1984

14.

15. Supplementary Notes

Prepared in cooperation with the State of Arkansas and with other agencies

16. Abstract (Limit: 200 words)

Water resources data for the 1984 water year for Arkansas consists of records of discharge, and water quality of streams; water quality of lakes; water levels and water quality of observation wells. This report contains discharge records for 48 regular surface-water stations; water-quality data for 130 regular water-quality stations, and 75 partial-record water-quality stations; 92 wells with water-level measurements, 4 wells with water-level and water-quality measurements, and 2 wells with water-quality data only. Also included are data for 77 crest-stage partial-record surface-water stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operation by the U.S. Geological Survey and cooperating State and Federal agencies in Arkansas.

17. Document Analysis a. Descriptors

*Arkansas, *Hydrologic data, *Surface water, *Ground water, *Water quality, flow rate, Gaging stations, Lakes, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses.

b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

18. Availability Statement: No restriction on distribution.
This report may be purchased from:
National Technical Information Service
Springfield, VA 22161

19. Security Class (This Report)

20. Security Class (This Page)

21. No. of Pages 624

22. Price

ee ANSI-Z39.18)

See Instructions on Reverse

OPTIONAL FORM 272 (4-77)
(Formerly NTIS-35)
Department of Commerce

BEST COPY AVAILABLE

CONTENTS

Page

Preface ... III
List of gaging stations, in downstream order, for which records are published ... VI
Introduction ... 1
Cooperation ... 1
Hydrologic conditions ... 1
  Surface water ... 1
  Surface-water quality ... 2
  Ground water ... 3
  Ground-water quality ... 3
Definition of terms ... 3
Downstream order and station number ... 10
Numbering system for wells and miscellaneous sites ... 10
Special networks and programs ... 11
Explanation of stage and water-discharge records ... 11
  Collection and computation of data ... 11
  Accuracy of field data and computed results ... 13
  Other data available ... 14
Explanation of water-quality records ... 14
  Collection and examination of data ... 14
  Water analysis ... 14
  Water temperature ... 15
  Sediment ... 15
Explanation of ground-water level records ... 16
  Collection of the data ... 16
Explanation of precipitation-quality records ... 17
  Collection of the data ... 17
Access to WATSTORE ... 17
Publications on techniques of water-resources investigations ... 18
Hydrologic-data station records ... 24
Discharge at partial-record stations and miscellaneous sites ... 487
  Crest-stage partial-record stations ... 487
  Measurements at miscellaneous sites ... 494
Analyses of samples collected at water-quality partial-record stations ... 497
Ground-water levels and quality ... 588
Quality of ground water ... 611
Chemical-quality of precipitation ... 620
Index ... 621

ILLUSTRATIONS

Figure 1. Map showing locations of continuous-gaging stations in western Arkansas ... 20
2. Map showing locations of continuous-gaging stations in eastern Arkansas ... 21
3. Map showing locations of water-quality stations in western Arkansas ... 22
4. Map showing locations of water-quality stations in eastern Arkansas ... 23
5. Map showing locations of observation wells in Arkansas ... 587

TABLES

Table 1. Factors for conversion of chemical constituents in milligrams or micrograms per liter ... 6
2. Degrees Celsius (°C) to degrees Fahrenheit (°F) ... 15
3. Factors for conversion of sediment concentration in milligrams per liter to parts per million ... 16

Page

MISSISSIPPI RIVER BASIN

- Mississippi River at Memphis, TN 24

ST. FRANCIS RIVER BASIN

- St. Francis River at Fisk, MO 26
- St. Francis River near Powe, MO 28
- St. Francis River near Glennonville, MO 29
  - Wilhelmina Cutoff near Campbell, MO 30
- St. Francis River at St. Francis 31
- St. Francis River near Piggott 32
- St. Francis River at Holly Island 33
  - Big Slough Ditch near Paragould 34
  - Locust Creek Ditch near Paragould 35
    - Eight Mile Ditch near Paragould 36
- St. Francis River at Lake City 37
  - Cockle Burr Slough Ditch near Monette 39
  - Right Hand Chute of Little River at Rivervale 40
- St. Francis River at Parkin 42
  - St. Francis River Floodway near Marked Tree 44
  - Cross County Ditch near Birdeye 46
    - Straight Slough near Birdeye 47
  - St. Francis Bay at Riverfront 48
  - Clark Corner Cutoff near Colt 51
- St. Francis River at Madison 52
  - L'Anguille River near Cherry Valley 54
  - L'Anguille River near Colt 56
    - Second Creek near Palestine 61
  - L'Anguille River at Palestine 62
  - L'Anguille River at Marianna 64

WHITE RIVER BASIN

White River:

- West Fork White River east of Fayetteville 66
- White River near Fayetteville 68
- White River near Goshen 69
- Beaver Lake near Eureka Springs 73
- White River at Beaver Dam, near Eureka Springs 86

Kings River:

- Osage Creek southwest of Berryville 89
- Osage Creek west of Berryville 91
- Kings River near Berryville 93
- Long Creek near Denver 95
- Table Rock Lake near Branson, MO 97
- White River below Table Rock Dam, near Branson, MO 111
  - Lake Taneycomo at Branson, MO 114
- Bull Shoals Lake near Flippin 118
- White River at Bull Shoals Dam, near Flippin 129
  - Crooked Creek at Harrison 131
  - Crooked Creek near Harrison 133
  - Crooked Creek at Yellville 135
  - Buffalo River near St. Joe 137
    - Bear Creek west of Marshall 140

Big Creek:

- Hicks Creek near Mountain Home 141
- White River near Norfork 143
  - Norfork Lake near Norfork 145
  - North Fork River at Norfork Dam, near Norfork 155
- White River at Calico Rock 158
  - Mill Creek near Melbourne 161

South Sylamore Creek:

- North Sylamore Creek near Fifty Six 163
- White River at Batesville 166
- White River near Salado 168
  - Clearwater Lake at Clearwater Dam, MO 170
  - Black River at Clearwater Dam, MO 176
  - Black River near Corning 178
    - Current River near Pocahontas 179
  - Black River at Pocahontas 181
    - Mammoth Spring at Mammoth Spring 183
      - South Fork Spring River at Saddle 184
    - Spring River at Ravenden 186
    - Spring River at Imboden 188
      - Eleven Point River near Ravenden Springs 189
      - Eleven Point River near Pocahontas 190
  - Black River at Black Rock 192
    - Piney Fork at Evening Shade 195
    - Strawberry River near Poughkeepsie 196
    - Strawberry River near Smithville 197
- White River at Jacksonport 199

Page

MISSISSIPPI RIVER BASIN--Continued

WHITE RIVER BASIN--Continued

- White River at Newport........ 201
  - Middle Fork Little Red River near Shirley........ 204
  - Middle Fork Little Red River at Shirley........ 206
    - South Fork Little Red River at Clinton........ 207
  - Greers Ferry Lake near Heber Springs........ 208
  - Little Red River near Heber Springs........ 219
  - Little Red River near Searcy........ 222
  - Little Red River above Searcy........ 224
  - Little Red River below Searcy........ 226
  - Wattensaw Bayou near Hazen........ 228
- White River at DeValls Bluff........ 230
  - Cache River at Egypt........ 232
  - Cache River at Patterson........ 233
    - Bayou DeView near Gibson........ 235
    - Bayou DeView at Morton........ 237
- White River at Clarendon........ 239
- White River at St. Charles........ 241
  - Boat Gunwale Slash near Holly Grove........ 243
  - Big Creek at Poplar Grove........ 245
  - Prairie Cypress Creek near Crossroads........ 246

ARKANSAS RIVER BASIN

- Arkansas River:
  - Neosho River:
    - Elk River:
      - Little Sugar:
        - Little Sugar Creek tributary near Bentonville........ 248
      - Butler Creek near Sulphur Springs........ 250
      - Spavinaw Creek near Cherokee City........ 252
  - Illinois River at Savoy........ 254
    - Osage Creek near Elm Springs........ 256
  - Illinois River near Siloam Springs........ 258
    - Flint Creek at Springtown........ 260
    - Flint Creek near West Siloam Springs, OK........ 261
    - Baron Fork at Dutch Mills........ 262
  - Poteau River at Waldron........ 265
  - Poteau River northwest of Waldron........ 267
  - Poteau River at Cauthron........ 269
    - James Fork near Hackett........ 270
  - Lee Creek near Van Buren........ 273
- Arkansas River at Van Buren........ 274
- Arkansas River at Dam No. 13, near Van Buren........ 276
  - Mulberry River near Mulberry........ 280
  - Mulberry River at I-40 near Mulberry........ 281
- Arkansas River at Ozark Dam, at Ozark........ 283
  - Big Piney Creek near Dover........ 285
  - Big Piney Creek at Highway 64 near Dover........ 286
  - Illinois Bayou near Dover........ 288
- Arkansas River at Dardanelle........ 290
  - Petit Jean River near Booneville........ 295
    - Blue Mountain Lake near Waveland........ 298
  - Petit Jean River near Waveland........ 304
    - Dutch Creek at Shark........ 306
  - Petit Jean River at Danville........ 308
    - Chickalah Creek at Chickalah........ 309
- Arkansas River at Dam No. 9, near Oppelo........ 311
  - West Fork Point Remove:
    - White Oak Creek near Atkins........ 313
    - Cadron Creek near Guy........ 315
- Arkansas River at Toad Suck Ferry Dam, near Conway........ 316
  - Fourche LaFave River near Gravelly........ 318
    - Nimrod Lake near Nimrod........ 321
  - Fourche LaFave River near Nimrod........ 327
    - South Fourche LaFave River at Hollis........ 329
    - South Fourche LaFave River near Hollis........ 331
  - Palarm Creek:
    - Stone Dam Creek near Conway........ 332
- Arkansas River at Murray Dam, at Little Rock........ 334
- Arkansas River at David D. Terry Lock and Dam, below Little Rock........ 337
- Arkansas River at Lock and Dam 5, near Wright........ 340
- Arkansas River at Lock and Dam 4, near Pine Bluff........ 342
  - Bayou Meto near North Little Rock........ 344
  - Bayou Meto near Jacksonville........ 346
  - Bayou Meto near Lonoke........ 348
- Arkansas River at Dam No. 2, near Gillett........ 349
- Mississippi River near Arkansas City........ 351

Page

MISSISSIPPI RIVER BASIN--Continued

RED RIVER BASIN

- Red River near Foreman 353
- Red River at Index 355
  - Mountain Fork near Hatfield 358

  - Little River:

    - DeQueen Lake near DeQueen 360
    - Rolling Fork below DeQueen Lake, near DeQueen 368
      - Bear Creek near Horatio 371
  - Little River near Horatio 373
    - Cossatot River near Vandervoort 376
    - Cossatot River near Umpire 377
    - Gillham Lake near Gillham 379
    - Cossatot River below Gillham Dam, near Gillham 387
    - Saline River near Burg 390
    - Dierks Lake near Dierks 392
    - Saline River below Dierks Dam, near Dierks 401
    - Saline River near Lockesburg 404
  - Millwood Lake near Ashdown 405
  - Little River at Millwood Dam, near Ashdown 411
  - Sulphur River south of Texarkana 418
    - Days Creek southeast of Texarkana 420
- Red River near Spring Bank 422

  - Twelvemile Bayou (Continuation of Cypress Creek):

  - Bayou Dorcheat near Taylor 424
  - Bodcau Creek near Lewisville 426

  - Ouachita River:

    - Prairie Creek near Mena 428
  - Ouachita River near Mount Ida 430
  - Ouachita River at Carpenter Dam, near Hot Springs 435
  - Ouachita River near Malvern 437
  - Ouachita River near Donaldson 440

    - Caddo River:

      - South Fork Caddo River at Fancy Hill 442
    - Caddo River near Amity 444
    - Little Missouri River near Langley 446
      - Prairie Creek at Murfreesboro 448
      - Prairie Creek near Murfreesboro 450
      - Antoine River at Antoine 452
    - Little Missouri River near Boughton 453
  - Ouachita River at Camden 455
  - Ouachita River below Camden 458
    - Smackover Creek near Smackover 460
    - Smackover Creek north of Smackover 461
    - Moro Creek near Banks 463
    - Saline River West of Benton 465
    - Saline River near Shaw 467
    - Saline River near Sheridan 469
      - Hurricane Creek near Sardis 471
      - Hurricane Creek near Sheridan 473
      - Big Creek near Pansy 474
    - Saline River near Rye 476
    - Saline River near Fountain Hill 477
  - Bayou Bartholomew near Ladd 479
  - Bayou Bartholomew near McGehee 481
  - Bayou de Loutre near El Dorado 482

    - Bayou D'Arbonne:

      - Cornie Bayou near Three Creeks 484

INTRODUCTION

Water resources data for the 1984 water year for Arkansas consist of records of gage height, discharge, and water quality of streams; elevation, contents, and water quality of lakes; and water levels and water quality of wells. This report contains discharge records for 48 gaging stations; water quality for 130 stations, 75 partial-record stations, and 6 observation wells; and water levels for 96 observation wells. Also included are data for 77 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Arkansas.

Records of discharge or gage height of streams, and contents or elevation of lakes were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and for 1961-65 and 1966-70 were in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released, either in separate reports or in conjuction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report AR-84-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

COOPERATION

The Geological Survey and organizations of the State of Arkansas have had cooperative agreements for the systematic collection of surface-water records since 1927, and for collection of ground-water and water-quality records since 1946. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Arkansas Geological Commission, Norman F. Williams, State geologist.

Arkansas Department of Pollution Control and Ecology, Phyllis J. Garnett, director.

Arkansas State Highway and Transportation Department, Henry C. Gray, director.

Arkansas Soil and Water Conservation Commission, John P. Saxton, director.

Assistance in the form of funds or services was given by the Corps of Engineers, U.S. Army, in collecting records for some of the gaging stations and water-quality stations published in this report.

The following organizations aided in collecting records:

Arkansas Power and Light Company; and National Weather Service, NOAA, U.S. Department of Commerce.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

Surface Water

Streamflow was normal for the 1984 water year. Average rainfall over most of the State resulted in average runoff during the year. No outstanding floods occurred during the year.

Runoff at the index station on the Buffalo River near St. Joe, which is representative of north Arkansas, was 87 percent of median for the period of record, being normal for eight months, deficient for three months, and excessive for one month.

Runoff at the index station on the Saline River near Rye, which is representative of south Arkansas, was 126 percent of median for the period of record, being normal for eight months, excessive for three months, and deficient for one month.

Surface-Water Quality

Arkansas streams provide an abundant supply of water of good quality, suitable for many uses. Localized stream pollution occurs in some areas of agricultural-chemical use, near large urban areas, and near some industrial areas.

Both point and non-point sources adversely affect the suitability of surface water for drinking, recreation, and aquatic life. The highly agriculturalized Delta Region of the state is particularly susceptible to non-point source effects due to current farming practices.

The Ozark Highlands Region, with its rapid population growth rate, is being affected by both point and non-point sources. Principal point sources are wastewater treatment plants. Principal non-point source contributions are related to farming practices in the region. Of particular concern in this Region are the upper White River, Illinois River, and Beaver Lake. The Gulf Coastal Plain Region of southern Arkansas continues to be affected by point sources. Most of these sources are related to oil and gas production.

The Arkansas River Valley Region continues to have streams affected by coal mining. The Arkansas River continues to be considered as a source of water for public supply and irrigation. Seepage from naturally occurring salt deposits in Kansas and Oklahoma, which increases the salinity of the river, may make the river unsuitable for some uses during certain low flow periods. Municipal and industrial discharge to the river may contribute wastes and chemicals that affect its potability. Storage effects of the Arkansas River Navigation System and tributary dams have moderated the effects of inflowing pollutants.

Selected water-quality constituents are shown below for sampling sites on some principal streams in the State. Concentrations of the constituents for the 1984 water year are compared to concentrations for the period of record to indicate if significant changes in water quality occurred.

The highest dissolved-solids concentration found in the major streams in 1984 was 1,060 mg/L in the Red River at Index. This concentration is considered normal for this station. Dissolved-solids concentrations, in milligrams per liter, are shown in the following table:

	1984		Period of Record	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	215	288	153	339
St. Francis Bay at Riverfront	99	269	55	290
Cache River at Patterson	--	--	41	242
White River at Clarendon	107	189	38	349
Arkansas River at David D. Terry Lock and Dam below Little Rock	176	441	117	600
Red River at Index	483	1060	157	1260
Ouachita River at Camden	38	64	30	193

The highest dissolved-chloride concentration found in 1984 was 310 mg/L in the Red River at Index. This concentration did not exceed the maximum concentration for the period of record and was within tolerance for most uses. The Cache River at Patterson had a dissolved-chloride concentration that was above the maximum for the period of record. Dissolved-chloride concentrations, in milligrams per liter, are shown in the following table:

	1984		Period of Record	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	14	22	7.9	30
St. Francis Bay at Riverfront	4.7	9.3	0.1	13
Cache River at Patterson	2.8	20	1.7	16
White River at Clarendon	4.1	6.2	.8	70
Arkansas River at David D. Terry Lock and Dam below Little Rock	42	140	13	220
Red River at Index	130	310	23	405
Ouachita River at Camden	3.9	6.8	3.1	79

The lowest dissolved-oxygen concentration found in 1984 was 0.0 mg/L in the Cache River at Patterson. This dissolved-oxygen concentration did not meet the State standard of 5 mg/L for those waters designated as warm water fisheries. The Red River at Index had dissolved-oxygen concentrations that exceeded both extremes for the period of record. Dissolved-oxygen concentrations, in milligrams per liter, are shown in the following table:

	1984		Period of record	
	Minimum	Maximum	Minimim	Maximum
Mississippi River at Memphis, Tennessee	7.3	8.6	6.1	13.3
St. Francis Bay at Riverfront	6.2	11.4	4.5	13.8
Cache River at Patterson	0.0	8.4	1.5	13.4
White River at Clarendon	8.0	11.6	5.3	12.8
Arkansas River at David D. Terry Lock and Dam below Little Rock	7.4	12.0	5.5	13.9
Red River at Index	5.8	13.6	6.1	12.1
Ouachita River at Camden	7.1	10.8	4.7	12.7

The highest suspended-sediment concentration found in 1984 was 401 mg/L in the St. Francis Bay at Riverfront. The Red River at Index had a suspended-sediment concentration that was below the minimum for the period of record.

	1984		Period of record	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	61	290	25	740
St. Francis Bay at Riverfront	22	401	21	958
Cache River at Patterson	--	--	52	220
White River at Clarendon	15	76	8	337
Arkansas River at David D. Terry Lock and Dam below Little Rock	6	336	2	644
Red River at Index	16	374	20	8820
Ouachita River at Camden	12	38	11	639

Ground Water

Ground-water levels in the Quaternary deposits in 14 counties west of Crowleys Ridge in the Cache and L'Anguille basins in northeastern Arkansas rose slightly from the previous year.

The regional gradient in the water table in the deposits of Quaternary age is southward from an altitude of about 280 feet above sea level in the northeastern part of the State to about 100 feet in the southeastern part. The normal gradient of the water table is interrupted in parts of Lonoke, Prairie, and Arkansas Counties where large withdrawals for irrigation have caused the formation of an elongated cone of depression with a northwest to southeast axis. The cone of depression reaches as low as 95 feet above sea level in Arkansas and Prairie Counties. Water levels are as much as 116 feet below land surface in Arkansas County. Water levels in the alluvium west of Crowleys Ridge in Poinsett and Cross Counties rose slightly from the previous year.

Water levels in the Sparta Sand of Tertiary age rose 2-1/2 feet in the Grand Prairie from the previous year and rose about 3-1/2 feet in the El Dorado area. Water levels at Magnolia declined about 4 feet from previous year. Water levels in Pine Bluff area declined about 2-3/4 feet in the industrial areas. Elsewhere in the state, water levels in the Sparta Sand or Memphis Sand aquifer rose about 1.90 feet from the previous year. Large withdrawals of water at El Dorado for municipal and industrial use are responsible for the water level declines. Water levels in the deepest parts of the cones of depression at El Dorado and Magnolia are at an altitude of 161 and 22 feet below sea level, respectively. Water levels are more than 433 feet below land surface in places near El Dorado. At Pine Bluff, water levels in places are at an altitude of 51 feet below sea level or approximately 255 feet below land surface.

Ground-Water Quality

Arkansas has vast quantities of ground water of good quality. At some locations ground water must be treated for human consumption and for industrial use. In an attempt to detect longterm changes in ground-water quality, a network of 25 monitoring wells has been established. Those monitoring wells were selected to use for sampling ground water from all major aquifers. Two or more wells are sampled from large aquifers such as the Quaternary and Sparta. Water samples are collected from all monitoring wells at 5-year intervals. Sampling schedules are staggered so that 5 or 6 wells are sampled each year.

In 1984, six wells were sampled, two in the Quaternary aquifer, one in the Wilcox aquifer, and three in the Memphis aquifer. Chemical analyses of water from these wells are located in the "Ground-Water Levels and Quality" section near the end of this report.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch/pound units to International System of Units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer, tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gramnegative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35°C. These bacteria are also defined as the organisms that produce colonies within 24 hours when incubated at 35°C ± 0.5°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptoccocal bacteria also are present in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as grampositive, cocci bacteria that are capable of growth in brain-heart infusion broth. These bacteria are also defined as all the organisms that produce red or pink colonies within 48 hours at 35°C ± 0.5°C on KF-streptococcus agar (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Base flow is fair-weather flow sustained by ground-water discharge.

Bed material is the unconsolidated material of which a steambed, lake, pond, reservoir, or estuary bottom is composed.

Benthic invertebrates are animals inhabiting the bottom of an aquatic environment. They include several types of organisms, such as insect larvae and nymphs, snails, clams, and crayfish. They are frequently used as indicators of environmental quality, because many have restricted mobility during their aquatic life phase, as well as a relatively long lifespan, which allows for response to prevailing and changing water-quality conditions. Many benthic organisms inhabit specific types of environments, which, if changed, result in changes in the composition of the benthic community.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry-mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash-mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass.

Organic mass, or volatile mass of the living substance, is the difference between the dry mass and ash mass and represents the actual mass of the living matter. The organic mass is expressed in the same units as ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Biomass pigment ratio provides a simple measurement of the periphyton community to provide information as to whether the aquatic system is primarily autotrophic (producers of organic matter) or heterotrophic (consumers of organic matter). As organic load increases, algae can be replaced by filamentous bacteria and other nonchlorophyll-producing organisms, which results in an increase in the biomass to chlororphyll ratio. The ratio equals biomass (dry mass-ash mass) divided by chlorophyll a (ug/L). Increasing ratio values indicate a tendency toward a heterotrophic system.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism, which are counted by using a microscope and grid of counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to the material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved oxygen (DO) The dissolved oxygen content of water in equilibrium with air is a function of atmospheric pressure and temperature and the dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant effect. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water of some streams.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n},$$

where s is the total number of taxa in the sample of the community, n_i is the number of individuals per taxon, and n is the total number of individuals. Diversity index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river upstream from the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water, together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult stage varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-pupa-adult or egg-nymph-adult.

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (UG/L, ug/L) is a unit expressing the concentration of chemical constituents in a solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams per liter my be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1 on page 6. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the weight of sediment per liter of water-sediment mixture. Sediment concentrations may be converted to parts per million by using the factors in table 3, page 15.

Table 1.--*Factors for conversion of chemical constituents in milligrams per liter to milliequivalents per liter*

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*	0.11119	Iodide (I^{-1})	0.00788
Ammonia as NH_4^{-1}	.05544	Iron (Fe^{+3})*	.05372
Barium (Ba^{+2})	.01456	Lead (Pb^{+2})*	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*	.14411
Bromide (Br^{-1})	.01251	Magnesium (Mg^{+2})	.08226
Calcium (Ca^{+2})	.04990	Manganese (Mn^{+2})*	.03640
Carbonate (CO_3^{-2})	.03333	Nickel (Ni^{+2})*	.03406
Chloride (Cl^{-1})	.02821	Nitrate (NO_3^{-1})	.01613
Chromium (Cr^{+6})*	.11539	Nitrite (NO_2^{-1})	.02174
Cobalt (Co^{+2})*	.03394	Phosphate (PO_4^{-3})	.03159
Copper (Cu^{+2})*	.03148	Potassium (K^{+1})	.02557
Cyanide (CN^{-1})	.03844	Sodium (Na^{+1})	.04350
Flouride (F^{-1})	.05264	Strontium (Sr^{+2})*	.02283
Hydrogen (H^{+1})	.99209	Sulfate (SO_4^{-2})	.02082
Hydroxide (OH^{-1})	.05880	Zinc (Zn^{+2})*	.03060

*Constituents reported in micrograms per liter; multiply by factor and divide results by 1,000.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first-order-level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coast, it does not necessarily represent local mean level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/area refers to the number or organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m^2), acres, or hectares. Periphyton, benthic organisms and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and (or) water-quality data are collected systematically throughout a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophyisical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analyses
Clay..........	0.00024- 0.004	Sedimentation.
Silt..........	.004 - .062	Sedimentation.
Sand..........	.062 - 2.	Sedimentation or sieve.
Gravel........	2. -64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit expressing the ratio of a particular part of a sample or population in terms of types, numbers, mass, or volume.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants, respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth ($1 X 10^{-12}$) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields $3.7 X 10^{10}$ radioactive disintegrations per second. A picocurie yields 2.22 d/min. (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the lakes and rivers.

Phytoplankton form the plant part of the plankton. They generally are microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per milliliter of sample.

Zooplankton form the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environmemt, the zooplankton are a vital part of the aquatic-food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment, and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses, because different digestion procedures are likely to produce different analytical results.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from, water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 feet above the bed), expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge by milligrams per liter by 0.0027.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Sodium-absorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. Water varies, in respect to sodium hazard, from that which can be used for irrigation on almost all soils to that which generally is unsatisfactory for irrigation.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids concentration of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water, per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff," as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Natural substrate refers to any naturally-occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lives.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic-organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S. Geological Survey topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time they are planimetered. All areas shown are those for the stage when the map was planimetered.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute-acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses, because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing parts of the material collected on the filter or, more commonly, by difference, based on the determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing parts of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata, is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	Hexagenia
Species	limbata

Classification levels in this report will be indicated by a series of dots or absence of them. The preceding classification would appear as follows:

ARTHROPODA
.INSECTA
..EPHEMEROPTERA
...EPHEMERIDAE
....HEXAGENIA

The following is a list of common names of orders of benthic invertebrates used in this report.

AMPHIPODA (scuds, sideswimmers)
ANNELIDA (aquatic earthworms, leeches)
COELENTERATA (hydroids, jellyfish)
COLEOPTERA (beetles)
DECAPODA (crayfish, shrimp)
DIPTERA (flies, mosquitoes, midges)
EPHEMEROPTERA (mayflies)
GASTROPODA (snails, limpets)
HEMIPTERA (bugs)
HYDRACARINA (water mites)
ISOPODA (aquatic sow bugs)
MEGALOPTERA (alderflies, dobsonflies, fishflies)
ODONATA (dragonflies, damselflies)
PELECYPODA (clams, mussels)
PLECOPTERA (stoneflies)
PODOCOPA (seed shrimp)

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and the suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating that the sample consists of a water-suspended-sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended-sediment sample has been digested by a method (usually using a dilute-acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses, because different digestion procedures are likely to produce different analytical results.

Weighted average is used in this report to indicate discharge-weighted-average values computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be present in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water-Resources Data" in REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

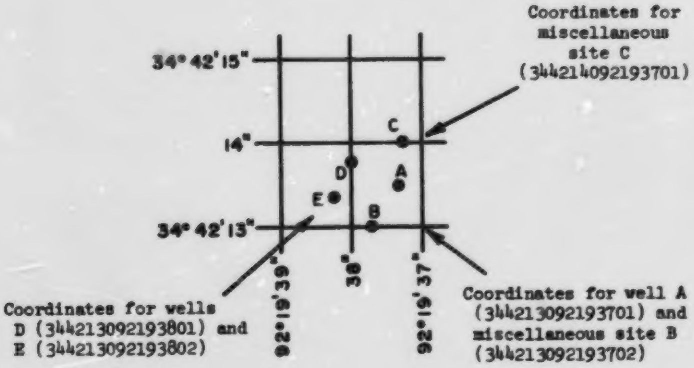
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations of first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated, with respect to the stream to which it is immediately tributary, is indicated by an indention in the list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These numbers are in the same downstream order in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 07060710, which appears just to the left of the station name, includes the two-digit part number "07" plus the six-digit downstream-order number "060710."

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The eight-digit downstream-order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous-site numbering system of the Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15-digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See diagram on following page.



Coordinates for miscellaneous site C (344214092193701)

Coordinates for wells D (344213092193801) and E (344213092193802)

Coordinates for well A (344213092193701) and miscellaneous site B (344213092193702)

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen likely will be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins that have developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data-collection network designed by the Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by eight-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

National trends network is a long-term monitoring network of the chemistry of wet deposition. Approximately 150 sites representing broad regional characteristics comprise the network.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations that has been established to provide baseline information on the occurrence of tritium in the Nation's surface water. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either a continuous reading on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily-mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. Backwater necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some northern stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area-relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between the computed contents may be increasingly in error because of the gradual accumulation of sediment.

For some gaging stations, there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. Periods of no gage-height record occur when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, prior to subsequent records, inflow-outfow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals, a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs, a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily-mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the periods for which there are published records for the existent station or for stations generally equivalent to the existent one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in from data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. To make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years, only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revision, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)," that only the instantaneous minimum was revised; and "(P)," that only the peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. For all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "National Geodetic Vertical Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified.

Information pertaining to the accuracy of the discharge records and to conditions that affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations, information on the dam forming the reservoir, (the capacity, outlet works and spillway, and purpose and use of the reservoir) is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations, peak discharges are listed with EXTREMES FOR THE CURRENT YEAR; if they are, all independent peaks, including the maximum for the year, above the selected base, with the time occurrence and corresponding gage heights, are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which peaks are subject to substantial control by man. Time of day is expressed in 24-hour local time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow, in cubic feet per second, during the month. The lines "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed, "AC-FT"). Figures for cubic feet per second per square mile and runoff, in inches, are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, of if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site, are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs, the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but it is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good," within 10 percent; and "fair," within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths, between 1.0 and 10 ft^3/s; to whole numbers, between 10 and 1,000 ft^3/s; and to three significiant figures, above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to the discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff, because of the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, discharge in cubic feet per second per square mile and runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoir, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations, such as observations of water temperatures, discharge measurements, gage-height records, and rating tables, is on file in the district office. Also, most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The water-quality records are given immediately after the discharge records for these stations.

The descriptive heading for surface-water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

Numerical codes have been assigned for agencies collecting and analyzing samples, and are listed in the water-quality tables of this report as follows:

810	Corps of Engineers, U.S. Army
9827	Arkansas Department of Pollution Control and Ecology
1028	U.S. Geological Survey
80513	Arkansas District, WRD, USGS
80010	Atlanta Central Laboratory, WRD, USGS
80020	Denver Central Laboratory, WRD, USGS

The column heading "MEDIUM" in the water-quality tables of this report designates the type of water from which the samples was taken. In this report, two types of water are shown. Water from a stream or lake is designated by a 9 medium code, and water from a spring or well is designated by a 6 medium code.

The column heading "SAMPLE SOURCE" in the water-quality tables of this report designates the location from which the sample was taken. In this report, two locations are shown; location of the main channel is designated by a 67 sample-source code, and the location of the overbank is designated by a 68 sample-source code.

REVISIONS--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

Water Analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on page 16.

One sample can adequately define the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Water-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent, as much as possible, the water-quality conditions at the time of sampling, consistent with available sampling techniques and methods of analyses. Where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between the time of a measurement of pH in the field and the determination of carbonate and bicarbonate in the laboratory. Some bacterial concentrations, because of the method of analysis, will be preceded by the symbol "K." The "K" replaces the "B" used in previous data reports. Both symbols mean "Plate count outside ideal range."

Water Temperature

Water temperatures are measured at most water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small daily temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published.

Table 2.--*Degrees Celsius (°C) to degrees Fahrenheit (°F)**

[Temperature reported to nearest 0.5°C]

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

* °C = 5/9 (°F-32) or °F = 9/5 (°C) + 32.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross section.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment-discharge value differs from the value computed as the product of the discharge multiplied by mean concentration multiplied by 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

Table 3.--*Factors for conversion of sediment concentration in milligrams per liter to parts per million**

[All values calculated to 3 significant figures]

Range of concentration, in 1,000 mg/L	Divide by	Range of concentration, in 1,000 mg/L	Divide by	Range of concentration, in 1,000 mg/L	Divide by	Range of concentration, in 1,000 mg/L	Divide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-634	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170 -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

*Based on water density of 1.000 g/mL and a specific gravity of sediment of 2.65.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the Data

The ground-water-level data in this report comprise information for a basic network of observation wells. The water-level measurements are intended to provide a sample and historical record of water-level fluctuations in the State's most productive aquifers.

Data are included for 86 wells in Arkansas (fig. 5). Thirteen of the wells are equipped with automatic recorders and the rest are measured manually one or more times each year. The wells selected are located so as to provide areal coverage of data-collection points for the most productive aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. See diagram on page 11.

Measurements are made in many types of wells and under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized, it is determined by conditions at a particular site. However, the equipment and techniques used are those that will insure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum of 1929 (NGVD) or land-surface datum (lsd). National Geodetic Vertical Datum is the datum plane on which the national network of precise levels is based. Land-surface datum is the elevation of the land surface, with respect to National Geodetic Vertical Datum, at each well. If known, the elevation of the land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the depth to water may be a few tenths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or to the nearest foot.

EXPLANATION OF PRECIPITATION-QUALITY RECORDS

Collection of the Data

The precipitation-quality records in this report are for one site operated by the U.S. Geological Survey in the National Trends Network. Field measurements of pH and specific conductance of weekly composite precipitation samples and daily precipitation quantity are made. Other chemical analyses for all National Trends Network sites are performed by the Central Analytical Laboratory of the Illinois Water Survey. A numerical agency code (17003) has been assigned to the Illinois Water Survey for data storage purposes.

ACCESS TO WATSTORE DATA

The National WATer Data STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's district offices (see address given on back of the title page).

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-seven manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

BLANK PAGE

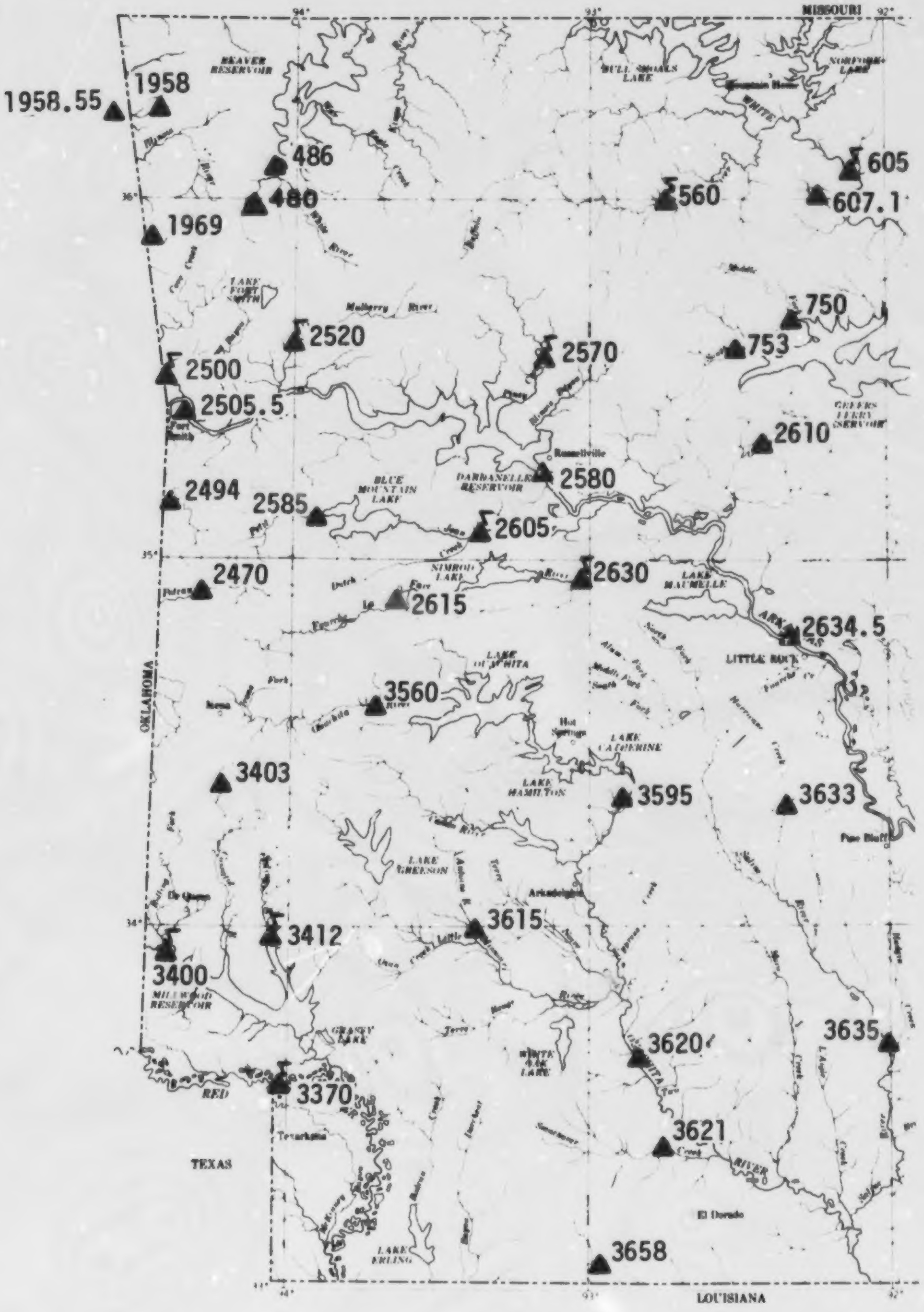

MISSOURI
BEAVER RESERVOIR
BULL SHOALS LAKE
NORFORK LAKE
WHITE
1958.55
1958
486
480
605
560
607.1
1969
LAKE FORT SMITH
Mulberry River
2520
750
753
2570
2500
2505.5
Fort Smith
GREERS FERRY RESERVOIR
2610
Russellville
DARDANELLE RESERVOIR
2580
BLUE MOUNTAIN LAKE
2494
2585
2605
NIMROD LAKE
2630
2470
LAKE MAUMELLE
2615
2634.5
LITTLE ROCK
LAKE OUACHITA
3560
Hot Springs
LAKE CATHERINE
OKLAHOMA
LAKE HAMILTON
3403
3595
3633
Pine Bluff
LAKE GREESON
Arkadelphia
De Queen
3615
3412
3400
MILLWOOD RESERVOIR
3635
GRASSY LAKE
WHITE OAK LAKE
3620
RED
3370
Texarkana
3621
TEXAS
RIVER
El Dorado
LAKE ERLING
3658
LOUISIANA
94°
93°
92°
36°
35°
34°
33°

Figure 1.--Locations of continuous-record gaging stations in western Arkansas.

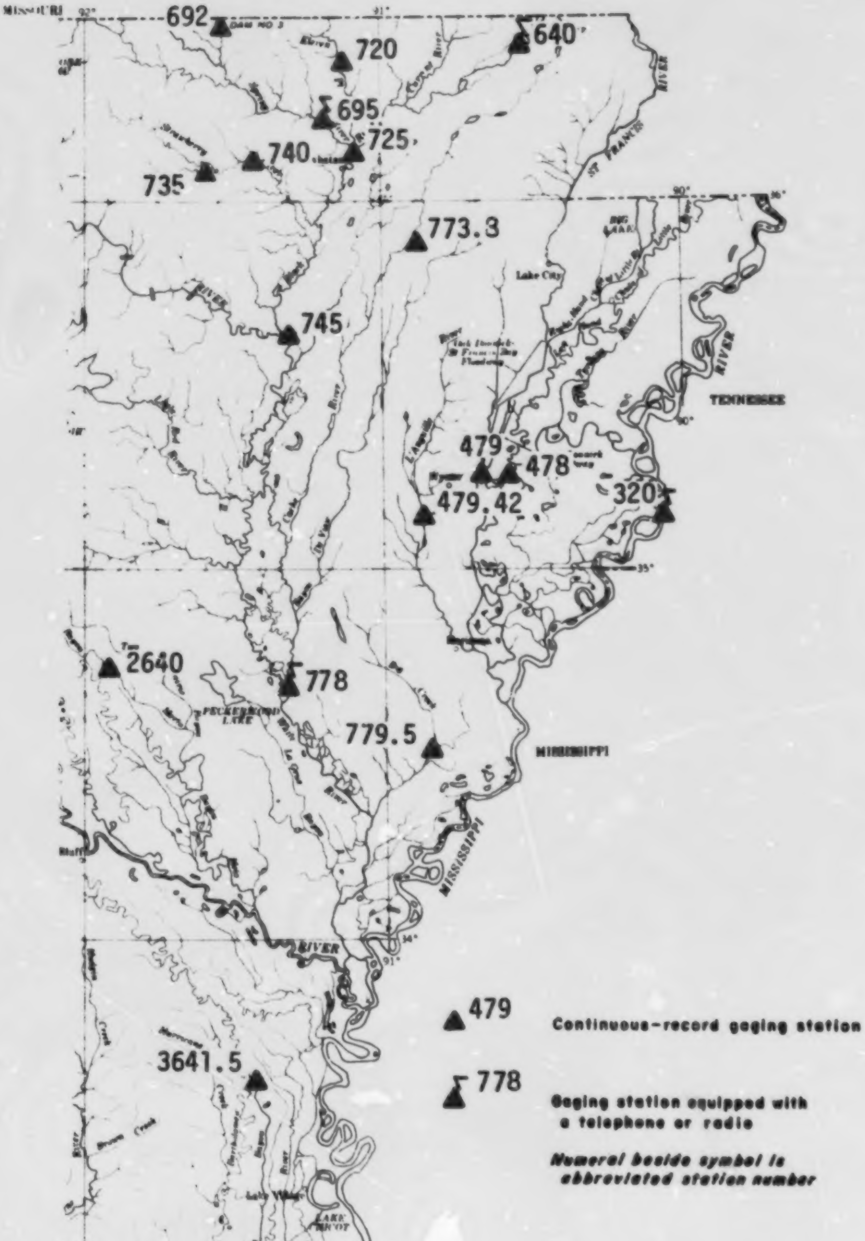

MISSOURI
692
720
640
695
725
740
735
773.3
745
479
478
479.42
320
TENNESSEE
2640
778
779.5
MISSISSIPPI
RIVER
MISSISSIPPI
3641.5
479
Continuous-record gaging station
778
Gaging station equipped with a telephone or radio
Numeral beside symbol is abbreviated station number
0 10 20 30 40 MILES
0 20 40 60 KILOMETERS

Figure 2.--Locations of continuous-record gaging stations in eastern Arkansas.

BEST COPY AVAILABLE

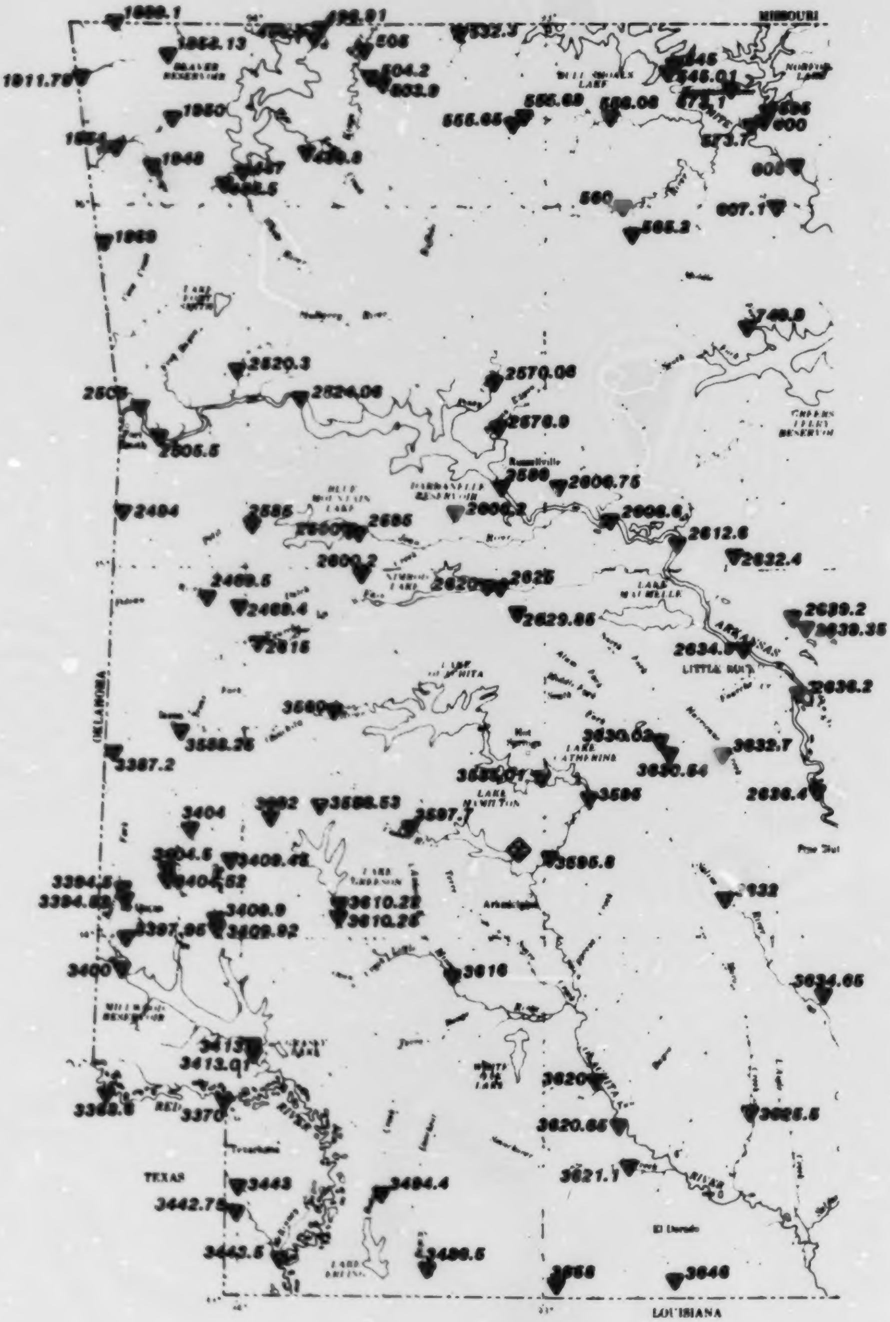

MISSOURI
OKLAHOMA
TEXAS
LOUISIANA
BEAVER RESERVOIR
BULL SHOALS LAKE
NORFORK LAKE
GREERS FERRY RESERVOIR
BLUE MOUNTAIN LAKE
DARDANELLE RESERVOIR
LAKE MAUMELLE
LAKE OUACHITA
LAKE CATHERINE
LAKE HAMILTON
LAKE GREESON
MILLWOOD RESERVOIR
LITTLE ROCK
ARKANSAS
RED
El Dorado
1911.75
1952.13
1950
1948
1959
2520.3
2524.06
2505.5
2484
2585
2570.06
2576.9
2600.75
2612.6
2632.4
2629.2
2629.85
2636.2
2636.4
3387.2
3404
3400
3370
3443
3442.75
3443.5
3494.4
3616
3620
3620.65
3621.1
3625.5
3634.65
3646
3658
3595.6
3596
3632.7
3630.64
3610.25
560
565.2
607.1
608
573.7
555.65

Figure 3.--Locations of water-quality stations in western Arkansas.

BEST COPY AVAILABLE

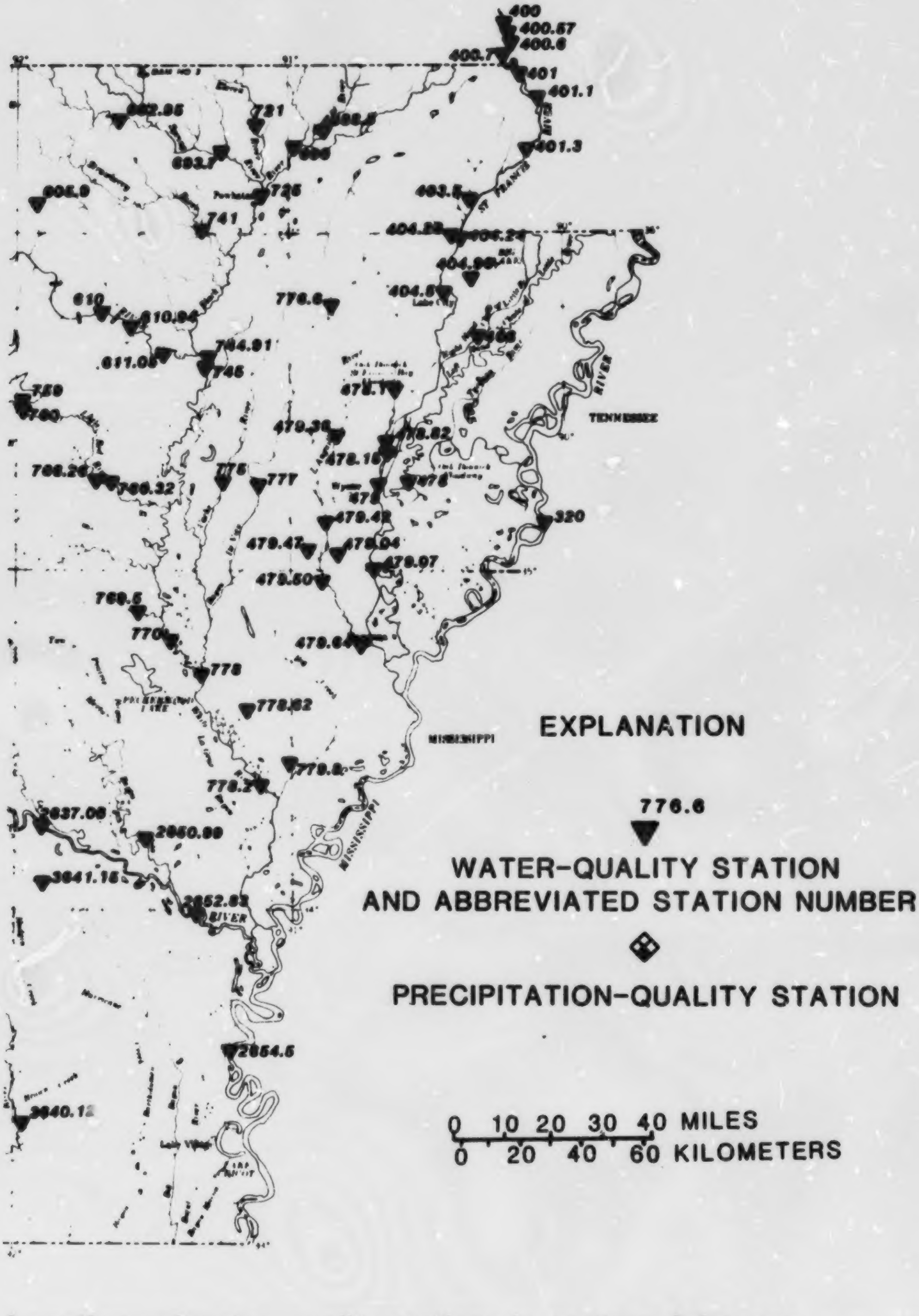

400
400.57
400.6
400.7
401
401.1
401.3
403.5
404.23
404.24
404.98
404.87
682.95
683.7
721
686.5
696
725
741
605.9
610
610.94
611.05
764.91
745
776.6
478.7
759
760
479.35
478.82
478.15
766.26
766.32
775
777
478
479.42
479.47
479.04
479.07
479.50
320
769.5
770
778
479.64
778.62
779.2
779.5
2637.06
2650.90
2641.15
2652.82
2654.5
2640.12
RIVER
ST. FRANCIS
TENNESSEE
MISSISSIPPI
EXPLANATION
776.6
▼
WATER-QUALITY STATION
AND ABBREVIATED STATION NUMBER
◈
PRECIPITATION-QUALITY STATION
0 10 20 30 40 MILES
0 20 40 60 KILOMETERS

Figure 4.--Locations of water-quality stations in eastern Arkansas.

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN
(National stream-quality accounting network station)

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft downstream from Harahan Bridge at Memphis, 1.3 mi downstream from Beale Street gage, 3.5 mi downstream from Wolf River, 62.4 mi upstream from St. Francis River, and at mile 734.8.

DRAINAGE AREA.--932,800 mi^2, approximately.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 1973 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 24...	1230	9	80513	80010	232000	477	8.0	16.5	20	7.3	75
JAN 30...	1330	9	80513	80010	385000	419	7.7	3.0	28	8.6	64
APR 04...	1000	9	80513	80010	1270000	360	7.8	8.0	80	7.8	66
JUL 10...	1400	9	80513	80010	703000	406	8.0	--	80	8.4	--

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 24...	1230	758	K670	170	170	46	46	43	16	29	26
JAN 30...	1330	765	220	800	160	41	41	42	13	17	19
APR 04...	1000	759	260	570	140	48	48	38	11	14	18
JUL 10...	1400	--	1700	260	160	39	39	43	13	11	13

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT 24...	1230	1	3.3	128	82	22	.40	5.4	288	280	.39
JAN 30...	1330	.6	2.6	118	55	20	.20	7.5	255	230	.35
APR 04...	1000	.5	1.9	93	49	15	.20	6.9	215	190	.29
JUL 10...	1400	.4	3.5	122	52	14	.20	7.2	254	220	.35

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
OCT 24...	1230	1.00	.240	.20	.150	.100	.080	10	1	83	<.5
JAN 30...	1330	1.70	.260	.80	.130	.070	.040	50	1	67	<.5
APR 04...	1000	2.50	.050	1.4	.100	.110	.040	20	2	400	<.5
JUL 10...	1400	2.60	.070	1.9	.310	.210	.190	<10	2	87	<.0

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)
OCT 24...	1230	<1	30	<3	8	18	2	12	2	.2
JAN 30...	1330	<1	1	<3	21	61	3	<4	16	<.1
APR 04...	1000	1	7	<3	10	53	2	5	5	.1
JUL 10...	1400	<1	<1	<3	11	12	1	10	2	.2

DATE	TIME	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 24...	1230	<10	3	2	<1	230	15	88	55100	90
JAN 30...	1330	<10	6	<1	<1	170	18	61	63400	80
APR 04...	1000	<10	2	<1	<1	160	150	209	717000	93
JUL 10...	1400	<10	3	<1	<1	180	12	290	550000	82

07040000 ST. FRANCIS RIVER AT FISK, MO

LOCATION.--Lat 36°46'50", long 90°12'08", in NW 1/4 SW 1/4 sec.28, T.24 N., R.8 E., Butler-Stoddard County line, Hydrologic Unit 08020203, at bridge on U.S. Highway 60, at Fisk, Mo.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT									
20...	0900	9	80513	80513	321	200	7.9	17.0	.20
NOV									
09...	1230	9	80513	80513	1770	190	8.0	14.0	.00
JAN									
16...	1330	9	80513	80513	4200	142	7.2	3.0	1.70
FEB									
13...	1500	9	80513	80513	876	110	7.5	8.0	.00
MAR									
12...	1325	9	80513	80513	2660	162	8.0	6.0	.50
APR									
16...	1330	9	80513	80513	3200	136	8.2	13.5	.30
MAY									
14...	1330	9	80513	80513	3500	132	8.3	19.5	.50
JUN									
04...	1330	9	80513	80513	956	150	7.8	23.0	.40
18...	1330	9	80513	80513	252	183	7.7	27.5	.20
JUL									
16...	1130	9	80513	80513	256	224	8.1	28.0	.50
AUG									
13...	1130	9	80513	80513	78	227	8.7	28.0	.50
SEP									
11...	1130	9	80513	80513	148	226	7.9	23.5	.10

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT									
20...	0900	7.6	80	754	37	32	98	98	99
NOV									
09...	1230	4.8	47	759	94	449	89	97	100
JAN									
16...	1330	13.2	98	760	57	646	39	64	93
FEB									
13...	1500	9.6	82	753	151	357	99	99	99
MAR									
12...	1325	12.6	103	752	16	115	84	86	93
APR									
16...	1330	10.8	105	749	38	328	55	72	92
MAY									
14...	1330	9.3	101	763	32	302	85	95	96
JUN									
04...	1330	8.3	98	754	56	145	74	84	96
18...	1330	6.9	88	756	54	37	98	99	100
JUL									
16...	1130	6.8	88	755	32	22	100	--	--
AUG									
13...	1130	6.9	89	757	50	11	84	94	100
SEP									
11...	1130	5.9	70	757	64	26	96	97	98

07040000 ST. FRANCIS RIVER AT FISK, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT								
20...	0900	100	17	33	75	98	100	--
NOV								
09...	1230	--	15	29	92	98	99	100
JAN								
16...	1330	100	4	6	70	98	100	--
FEB								
13...	1500	100	9	10	30	87	99	100
MAR								
12...	1325	100	2	2	52	93	100	--
APR								
16...	1330	100	9	10	64	81	82	--
MAY								
14...	1330	100	2	3	61	99	100	--
JUN								
04...	1330	100	2	3	58	96	100	--
18...	1330	--	4	8	68	98	100	--
JUL								
16...	1130	--	5	10	64	98	100	--
AUG								
13...	1130	--	8	15	73	98	100	--
SEP								
11...	1130	100	6	10	68	98	100	--

07040057 ST. FRANCIS RIVER NEAR POWE, MO

LOCATION.--Lat 36°39'38", long 90°08'32", in SW 1/4 SE 1/4 sec.1, T.23 N., R.9 E., Butler County, Hydrologic Unit 08020203, at bridge on county road, 2.3 mi west of Powe, Mo.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV 10...	0830	9	80513	80513	2040	12.0	.20	270	1490	84	88
JAN 16...	1330	9	80513	80513	4800	2.0	.40	144	1870	39	39
FEB 13...	1430	9	80513	80513	4010	9.5	.00	679	7350	90	93
MAR 12...	1330	9	80513	80513	2880	7.5	.20	65	505	65	72
APR 16...	1245	9	80513	80513	4010	14.0	.50	99	1070	53	64
MAY 14...	1415	9	80513	80513	3870	20.0	.30	119	1240	61	74
JUN 04...	1315	9	80513	80513	1320	25.0	.60	58	207	89	92
18...	1315	9	80513	80513	315	30.0	.40	79	67	97	98

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV 10...	0830	98	100	--	0	0	37	98	100	--
JAN 16...	1330	96	100	--	2	8	66	99	100	--
FEB 13...	1430	98	100	--	23	28	79	99	100	--
MAR 12...	1330	91	94	100	2	2	37	90	99	100
APR 16...	1245	98	100	--	0	0	17	94	100	--
MAY 14...	1415	94	100	--	1	1	5	89	100	--
JUN 04...	1315	98	100	--	5	11	73	98	100	--
18...	1315	98	100	--	3	4	60	98	100	--

07040060 ST. FRANCIS RIVER NEAR GLENNONVILLE, MO

LOCATION.--Lat 36°34'22", long 90°11'06", in NE 1/4 NW 1/4 sec.10, T.22 N., R.8 E., Butler-Dunklin County line, Hydrologic Unit 08020203, at bridge on Missouri State Highway 53, 1.7 mi southwest of Glennonville, Mo.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV										
09...	1015	9	80513	80513	1200	14.0	.40	175	567	95
JAN										
16...	1200	9	80513	80513	4680	2.5	.40	113	1430	48
FEB										
13...	1300	9	80513	80513	5300	10.0	.00	862	12300	94
MAR										
12...	1200	9	80513	80513	2740	6.0	.20	80	592	62
APR										
16...	1130	9	80513	80513	4010	13.5	.20	94	1020	63
MAY										
14...	1200	9	80513	80513	3850	20.0	.30	128	1330	68
JUN										
04...	1150	9	80513	80513	1180	25.0	.60	59	188	92
18...	1200	9	80513	80513	375	27.5	.20	56	57	97

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV									
09...	1015	98	99	100	3	11	92	99	100
JAN									
16...	1200	60	98	100	0	0	69	99	100
FEB									
13...	1300	95	99	100	0	0	80	99	100
MAR									
12...	1200	72	95	100	1	1	83	99	100
APR									
16...	1130	73	96	100	1	1	88	99	100
MAY									
14...	1200	80	98	100	1	2	87	99	100
JUN									
04...	1150	94	100	--	0	0	63	99	100
18...	1200	97	98	100	1	1	80	99	100

07040070 WILHELMINA CUTOFF NEAR CAMPBELL, MO

LOCATION.--Lat 36°30'53", long 90°09'30", in SW 1/4 SW 1/4 sec.25, T.22 N., R.8 E., Dunklin County, Hydrologic Unit 08020203, at bridge on county road 4.7 mi northwest of Campbell, Mo., off Missouri State Highway 53.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV 09...	1230	9	80513	80513	1250	15.0	.20	246	830	76
JAN 16...	1200	9	80513	80513	5020	2.0	.40	74	1000	76
FEB 13...	1300	9	80513	80513	6340	10.0	.00	883	15100	94
MAR 12...	1235	9	80513	80513	2870	7.5	.20	162	1260	34
APR 16...	1130	9	80513	80513	3780	15.0	.40	106	1080	64
MAY 14...	1230	9	80513	80513	3570	20.0	.20	148	1430	68
JUN 04...	1200	9	80513	80513	1120	25.0	.30	119	360	51
18...	1150	9	80513	80513	331	30.0	.40	58	52	79

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV 09...	1230	83	99	100	0	0	89	100	--
JAN 16...	1200	90	99	100	1	4	90	100	--
FEB 13...	1300	96	99	100	3	3	74	98	100
MAR 12...	1235	45	96	100	1	2	85	99	100
APR 16...	1130	79	98	100	1	1	84	99	100
MAY 14...	1230	82	97	100	2	5	93	99	100
JUN 04...	1200	54	97	100	1	1	85	99	100
18...	1150	82	97	100	2	2	85	99	100

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, AR

LOCATION.--Lat 36°27'21", long 90°08'13", in sec.18, T.21 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on U.S. Highway 62 at St. Francis, and at mile 229.

PERIOD OF RECORD.--July 1969 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV									
09...	0830	9	80513	80513	1100	210	8.0	13.5	.30
JAN									
17...	0830	9	80513	80513	4480	135	7.2	2.0	.30
FEB									
14...	0900	9	80513	80513	4230	98	7.6	7.0	.00
MAR									
13...	0830	9	80513	80513	2850	163	7.8	6.0	.30
APR									
17...	0830	9	80513	80513	3840	135	8.1	13.0	.20
MAY									
15...	0800	9	80513	80513	3870	125	8.8	19.0	.30
JUN									
05...	0830	9	80513	80513	1060	160	8.1	23.0	.30
19...	0830	9	80513	80513	376	297	8.4	27.0	.20
SEP									
11...	1430	9	80513	80513	360	327	8.2	23.5	.10

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV								
09...	0830	7.0	67	759	118	350	99	99
JAN								
17...	0830	14.6	105	763	70	847	75	88
FEB								
14...	0900	10.2	84	758	543	6200	98	99
MAR								
13...	0830	12.0	97	759	61	469	86	96
APR								
17...	0830	9.9	95	752	122	1260	61	70
MAY								
15...	0800	9.3	100	765	116	1210	83	97
JUN								
05...	0830	7.2	85	756	101	289	95	97
19...	0830	5.8	73	758	70	71	96	97
SEP								
11...	1430	7.4	88	757	205	199	98	99

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. [illegible]. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV								
09..	0830	100	--	13	25	79	99	100
JAN								
17...	0830	98	100	0	29	95	100	--
FEB								
14...	0900	100	--	66	85	98	99	100
MAR								
13...	0830	97	100	6	18	84	99	100
APR								
17...	0830	98	100	3	29	98	100	--
MAY								
15...	0800	98	100	6	33	96	99	100
JUN								
05...	0830	98	100	5	52	99	100	--
19...	0830	98	100	34	44	97	99	100
SEP								
11...	1430	100	--	66	86	99	100	--

BEST COPY AVAILABLE

07040110 ST. FRANCIS RIVER NEAR PIGGOTT, AR

LOCATION.--Lat 36°23'50", long 90°04'40", in SE 1/4 SW 1/4 sec.3, T.20 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 1, 6.0 mi (9.6 km) east of Piggott.

DRAINAGE AREA.--1,776 mi^2.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV											
09...	1030	9	80513	80513	--	947	14.0	.20	135	345	66
JAN											
17...	0900	9	80513	80513	67	3740	2.0	.30	160	1620	38
17...	1000	9	80513	80513	68	950	2.0	.30	138	354	54
FEB											
14...	1130	9	80513	80513	67	4410	10.0	.00	650	7740	88
14...	1200	9	80513	80513	68	457	10.0	.00	379	468	100
MAR											
13...	0800	9	80513	80513	--	2770	8.5	.20	110	823	56
APR											
17...	0830	9	80513	80513	67	3530	13.0	.30	151	1440	54
17...	0900	9	80513	80513	68	336	13.0	.20	190	172	59
MAY											
15...	0845	9	80513	80513	67	3430	20.0	.50	296	2740	50
15...	0915	9	80513	80513	68	298	20.0	.30	89	72	98
JUN											
05...	0845	9	80513	80513	--	1100	25.0	.30	102	303	87
19...	0900	9	80513	80513	--	380	27.0	.30	85	87	96

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV											
09...	1030	73	99	100	--	1	2	71	95	100	--
JAN											
17...	0900	49	97	100	--	1	1	22	88	99	100
17...	1000	71	98	100	--	63	81	97	99	100	--
FEB											
14...	1130	91	98	99	100	1	1	35	94	100	--
14...	1200	--	--	--	--	78	94	99	100	--	--
MAR											
13...	0800	65	94	100	--	0	0	38	96	100	--
APR											
17...	0830	65	95	100	--	1	1	41	92	99	100
17...	0900	83	98	100	--	66	73	96	98	100	--
MAY											
15...	0845	60	71	90	100	2	3	32	87	99	100
15...	0915	99	100	--	--	44	78	98	99	100	--
JUN											
05...	0845	94	97	100	--	1	1	46	90	98	100
19...	0900	97	98	100	--	1	1	47	93	99	100

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND, AR

LOCATION.--Lat 36°14'11", long 90°07'52", in SW 1/4 NE 1/4 sec.32, T.19 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 90, at Holly Island.

DRAINAGE AREA.--1,788 mi^2.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV											
09...	0830	9	80513	80513	--	773	14.0	.20	76	159	98
JAN											
17...	1100	9	80513	80513	67	4080	2.0	.40	88	969	69
17...	1200	9	80513	80513	68	1950	2.0	.30	59	311	73
FEB											
14...	1400	9	80513	80513	67	4350	10.0	.00	747	8770	88
14...	1430	9	80513	80513	68	1060	10.0	.00	514	1470	100
MAR											
14...	0930	9	80513	80513	--	3040	6.0	.20	68	558	95
APR											
17...	0945	9	80513	80513	67	3630	14.0	.20	87	853	85
17...	1015	9	80513	80513	68	183	14.0	.20	106	52	92
MAY											
15...	1015	9	80513	80513	67	3260	20.0	.40	161	1420	83
15...	1030	9	80513	80513	68	195	20.0	.30	150	79	95
JUN											
05...	1020	9	80513	80513	--	1430	25.0	.40	97	375	92
19...	1015	9	80513	80513	--	430	22.0	.60	57	66	95

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV										
09...	0830	98	99	100	12	14	71	97	100	--
JAN										
17...	1100	77	94	100	0	0	13	72	97	100
17...	1200	93	95	100	29	47	95	100	--	--
FEB										
14...	1400	90	97	100	0	0	66	98	99	100
14...	1430	--	--	--	38	49	87	97	100	--
MAR										
14...	0930	97	99	100	1	1	36	64	98	100
APR										
17...	0945	93	99	100	0	0	50	96	99	100
17...	1015	94	97	100	76	83	93	99	100	--
MAY										
15...	1015	88	96	100	1	1	26	78	98	--
15...	1030	96	98	100	90	92	95	98	100	--
JUN										
05...	1020	92	95	100	1	1	39	94	100	--
19...	1015	95	96	100	3	3	28	87	99	100

07040350 BIG SLOUGH DITCH NEAR PARAGOULD, AR

LOCATION.--Lat 36°02'25", long 90°21'39", in SE 1/4 SW 1/4 sec.5, T.16 N., R.6 E., Greene County, Hydrologic Unit 08020203, at bridge on State Highway 25, 6.9 mi east of Paragould.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
NOV								
08...	1200	9	80513	80513	.00	420	7.8	12.5
JAN								
17...	1225	9	80513	80513	.00	304	7.1	5.0
FEB								
14...	1300	9	80513	80513	919	78	7.7	9.0
MAR								
13...	0955	9	80513	80513	.00	326	7.8	9.5
APR								
17...	1030	9	80513	80513	316	280	7.9	15.0
MAY								
15...	1200	9	80513	80513	.00	280	8.3	21.0
JUN								
05...	1030	9	80513	80513	349	340	8.0	24.0
19...	1000	9	80513	80513	.00	345	8.0	27.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV								
08...	1200	--	7.3	69	759	--	--	--
JAN								
17...	1225	--	12.4	97	766	--	--	--
FEB								
14...	1300	.00	8.8	76	759	205	509	100
MAR								
13...	0955	--	9.6	84	763	--	--	--
APR								
17...	1030	.20	8.7	87	755	39	33	99
MAY								
15...	1200	--	7.8	87	766	--	--	--
JUN								
05...	1030	.20	7.3	87	758	119	112	92
19...	1000	--	7.9	101	760	--	--	--

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
FEB								
14...	1300	--	--	29	65	97	99	100
APR								
17...	1030	99	100	59	69	97	99	100
JUN								
05...	1030	97	100	60	86	99	99	100

07040424 LOCUST CREEK DITCH NEAR PARAGOULD, AR

LOCATION.--Lat 35°58'06", long 90°24'17", in SW 1/4 SW 1/4 sec.36, T.16 N., R.6 E., Greene County, Hydrologic Unit 08020203, at bridge on county road east of State Highway 135, 6.0 mi southeast of Paragould.

PERIOD OF RECORD.--February 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV 08...	1600	9	80513	80513	.00	150	7.9	15.0	--
JAN 17...	1330	9	80513	80513	.00	226	7.8	3.0	--
FEB 14...	1600	9	80513	80513	203	88	7.4	10.0	.00
MAR 13...	1200	9	80513	80513	.00	278	7.6	9.0	--
APR 17...	1230	9	80513	80513	.00	252	7.9	17.0	--
MAY 15...	1250	9	80513	80513	235	210	7.4	21.0	.10
JUN 05...	1345	9	80513	80513	.00	360	8.0	25.0	--
19...	1215	9	80513	80513	.00	310	7.9	30.0	--

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV 08...	1600	5.8	58	760	--	--	--	--
JAN 17...	1330	9.3	69	766	--	--	--	--
FEB 14...	1600	8.8	78	758	196	107	98	98
MAR 13...	1200	8.5	73	764	--	--	--	--
APR 17...	1230	7.5	79	753	--	--	--	--
MAY 15...	1250	3.9	44	759	102	65	94	97
JUN 05...	1345	7.2	88	756	--	--	--	--
19...	1215	7.9	105	759	--	--	--	--

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
FEB 14...	1600	99	100	68	81	99	99	100
MAY 15...	1250	98	100	94	95	99	100	--

07040428 EIGHT MILE DITCH NEAR PARAGOULD, AR

LOCATION.--Lat 35°59'16", long 90°25'47", in SW 1/4 NE 1/4 sec.27, T.16 N., R.6 E., Greene County, Hydrologic Unit 08020203, at bridge on county road east of State Highway 135, 4.9 mi southeast of Paragould.

PERIOD OF RECORD.--May 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV 08...	1500	9	80513	80513	12	295	7.9	16.0	>.20
JAN 17...	1300	9	80513	80513	.00	265	8.0	1.0	--
FEB 14...	1645	9	80513	80513	109	99	7.5	12.5	.00
MAR 13...	1100	9	80513	80513	108	156	7.6	8.0	.20
APR 17...	1205	9	80513	80513	.00	219	8.2	15.0	--

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV 08...	1500	8.8	89	760	45	1.5	86	87
JAN 17...	1300	12.0	84	766	--	--	--	--
FEB 14...	1645	9.1	86	758	231	68	96	97
MAR 13...	1100	10.5	88	764	95	28	88	92
APR 17...	1205	9.6	97	752	--	--	--	--

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV 08...	1500	97	100	1	1	14	72	100
FEB 14...	1645	99	100	6	7	24	45	100
MAR 13...	1100	96	100	2	2	31	91	100

07040450 ST. FRANCIS RIVER AT LAKE CITY, AR

LOCATION.--Lat 35°49'16", long 90°25'56", in SE 1/4 sec.22, T.14 N., R.6 E., Craighead County, Hydrologic Unit 08020203, at bridge on State Highway 18 at Lake City, and at mile 173.6.

DRAINAGE AREA.--2,374 mi^2.

PERIOD OF RECORD.--April 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
OCT									
19...	1400	9	80513	80513	--	320	261	8.2	18.0
NOV									
08...	1130	9	80513	80513	--	634	150	7.6	14.0
JAN									
17...	1330	9	80513	80513	67	1650	127	7.0	.0
17...	1445	9	80513	80513	68	4450	124	7.0	1.0
FEB									
15...	0830	9	80513	80513	67	1520	120	7.5	12.0
15...	0930	9	80513	80513	68	3470	120	7.5	12.0
MAR									
13...	1115	9	80513	80513	67	1340	169	7.6	7.0
13...	1200	9	80513	80513	68	1840	178	7.8	7.0
APR									
17...	1400	9	80513	80513	67	1400	167	7.9	14.5
17...	1500	9	80513	80513	68	3040	167	7.9	15.0
MAY									
15...	1300	9	80513	80513	67	1340	133	7.5	20.0
15...	1330	9	80513	80513	68	4430	133	7.6	20.0
JUN									
05...	1440	9	80513	80513	67	1100	170	7.7	23.5
05...	1515	9	80513	80513	68	1410	170	7.7	23.0
19...	1130	9	80513	80513	--	608	385	7.7	27.5
JUL									
16...	1420	9	80513	80513	--	1040	152	7.7	27.5
AUG									
14...	0745	9	80513	80513	--	300	326	8.4	28.0
SEP									
12...	0800	9	80513	80513	--	376	200	7.7	24.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT									
19...	1400	.10	8.0	85	761	100	86	99	99
NOV									
08...	1130	.40	4.8	47	759	175	300	97	98
JAN									
17...	1330	.70	11.4	78	765	19	85	77	93
17...	1445	.70	12.9	90	766	19	228	96	96
FEB									
15...	0830	.00	8.2	76	759	108	443	85	87
15...	0930	.00	8.2	76	759	97	909	98	98
MAR									
13...	1115	.50	10.0	83	760	28	101	91	92
13...	1200	.50	8.8	73	760	21	104	95	97
APR									
17...	1400	.20	8.3	82	753	37	140	90	92
17...	1500	.20	8.6	86	753	34	279	87	94
MAY									
15...	1300	.20	5.2	57	766	143	517	97	98
15...	1330	.20	5.2	57	766	125	1500	97	98
JUN									
05...	1440	.20	5.6	67	756	113	336	87	93
05...	1515	.20	5.7	67	756	105	400	89	94
19...	1130	.20	5.2	66	760	114	187	96	98
JUL									
16...	1420	.10	3.8	48	758	342	960	93	98
AUG									
14...	0745	.20	5.5	71	759	76	62	97	97
SEP									
12...	0800	.10	5.1	61	761	128	130	96	96

07040450 ST. FRANCIS RIVER AT LAKE CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
19...	1400	99	100	7	8	16	71	100	--
NOV									
08...	1130	99	100	5	16	80	94	100	--
JAN									
17...	1330	96	100	2	24	97	99	100	--
17...	1445	98	100	29	42	73	86	94	100
FEB									
15...	0830	98	100	2	5	75	98	100	--
15...	0930	99	100	9	15	68	98	100	--
MAR									
13...	1115	94	100	4	14	92	100	--	--
13...	1200	98	100	1	1	55	97	100	--
APR									
17...	1400	94	100	0	0	32	94	100	--
17...	1500	98	100	1	3	61	99	100	--
MAY									
15...	1300	99	100	1	8	87	99	100	--
15...	1330	99	100	2	4	61	98	100	--
JUN									
05...	1440	95	100	6	16	84	99	100	--
05...	1515	96	100	5	9	68	97	100	--
19...	1130	99	100	1	1	50	97	100	--
JUL									
16...	1420	99	100	9	21	92	99	100	--
AUG									
14...	0745	98	100	3	5	62	95	100	--
SEP									
12...	0800	97	100	32	42	88	98	100	--

07040496 COCKLE BURR SLOUGH DITCH NEAR MONETTE, AR

LOCATION.--Lat 35°51'39", long 90°19'49", in SW 1/4 SE 1/4 sec.3, T.14 N., R.7 E., Craighead County, Hydrologic Unit 08020203, at bridge on county road south of State Highway 18, 2.1 mi southeast of Monette.

PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
NOV									
08...	1400	9	80513	80513	.00	462	7.8	15.0	--
JAN									
17...	1430	9	80513	80513	.00	409	8.1	6.5	--
FEB									
15...	1115	9	80513	80513	534	322	7.5	13.0	1.10
MAR									
13...	1300	9	80513	80513	427	413	7.0	10.5	.20
APR									
17...	1400	9	80513	80513	511	412	8.1	14.5	.90
MAY									
15...	1415	9	80513	80513	499	410	8.0	20.0	.60
JUN									
05...	1615	9	80513	80513	.00	410	8.1	25.0	--
19...	1330	9	80513	80513	256	415	7.9	27.0	.30

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV								
08...	1400	7.7	77	760	--	--	--	--
JAN								
17...	1430	9.6	78	766	--	--	--	--
FEB								
15...	1115	7.1	68	760	47	68	97	98
MAR								
13...	1300	8.0	71	765	36	42	90	94
APR								
17...	1400	8.3	83	752	48	66	95	96
MAY								
15...	1415	4.8	53	758	126	170	70	91
JUN								
05...	1615	7.0	86	756	--	--	--	--
19...	1330	5.6	71	759	67	46	94	97

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
FEB								
15...	1115	100	--	6	32	94	99	100
MAR								
13...	1300	96	100	26	40	92	98	100
APR								
17...	1400	98	100	19	56	91	99	100
MAY								
15...	1415	96	100	7	35	93	99	100
JUN								
19...	1330	100	--	12	48	93	99	100

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, AR

LOCATION.--Lat 35°40'20", long 90°29'12", in SW 1/4 sec.10, T.12 N., R.7 E., Poinsett County, Hydrologic Unit 08020204, at bridge on State Highway 135 at Rivervale, 9.0 mi upstream from St. Francis River.

DRAINAGE AREA.--2,106 mi^2.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT									
19...	1200	9	80513	80513	285	385	8.3	19.0	.00
NOV									
08...	0900	9	80513	80513	1570	160	7.9	14.0	.20
JAN									
18...	0930	9	80513	80513	2380	254	7.0	1.5	.70
FEB									
15...	1130	9	80513	80513	8070	152	7.5	8.0	.00
MAR									
13...	1445	9	80513	80513	2460	321	7.9	8.0	.40
APR									
18...	0800	9	80513	80513	3170	305	8.1	14.0	.10
MAY									
16...	1100	9	80513	80513	10600	170	7.5	20.5	.20
JUN									
05...	1630	9	80513	80513	1820	375	8.3	25.5	.30
19...	1300	9	80513	80513	1420	385	8.1	28.0	.20
JUL									
17...	0850	9	80513	80513	1430	300	8.3	29.5	.20
AUG									
14...	1100	9	80513	80513	859	319	8.4	30.5	.30
SEP									
12...	0930	9	80513	80513	970	288	8.0	25.0	.10

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT									
19...	1200	8.0	86	762	50	38	98	99	100
NOV									
08...	0900	5.0	49	760	367	1560	97	99	99
JAN									
18...	0930	10.6	75	767	45	289	86	95	98
FEB									
15...	1130	8.1	69	760	612	13300	92	95	99
MAR									
13...	1445	11.6	98	762	62	412	98	98	98
APR									
18...	0800	8.2	80	757	89	762	99	99	100
MAY									
16...	1100	6.1	67	767	233	6670	97	98	99
JUN									
05...	1630	9.7	120	755	94	462	94	96	100
19...	1300	5.9	76	760	90	345	99	99	99
JUL									
17...	0850	6.1	81	753	80	309	99	99	100
AUG									
14...	1100	7.5	100	762	52	121	98	98	99
SEP									
12...	0930	6.0	73	762	136	356	96	96	97

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
19...	1200	--	--	100	--	--	--	--	--
NOV									
08...	0900	100	--	99	99	99	100	--	--
JAN									
18...	0930	100	--	1	9	95	100	--	--
FEB									
15...	1130	99	100	22	31	77	94	97	100
MAR									
13...	1445	100	--	6	41	96	100	--	--
APR									
18...	0800	--	--	1	1	54	99	100	--
MAY									
16...	1100	100	--	1	1	42	98	100	--
JUN									
05...	1630	--	--	3	3	37	92	100	--
19...	1300	100	--	9	11	55	97	100	--
JUL									
17...	0850	--	--	1	1	47	97	100	--
AUG									
14...	1100	99	100	9	10	49	98	100	--
SEP									
12...	0930	100	--	17	18	52	97	100	--

07047800 ST. FRANCIS RIVER AT PARKIN, AR
(National stream-quality accounting network station)

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

LOCATION.--35°16'23", long 90°33'33", in NE 1/4 SE 1/4 sec.33, T.8 N., R.5 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Parkin, 1.1 mi downstream from Tyronza River, and at mile 102.0

DRAINAGE AREA.--Intermediate. Total drainage area of St. Francis River and St. Francis Bay, 6,475 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1973 to September 1981.
WATER TEMPERATURES: January 1973 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 18...	1345	9	80513	80010	288	357	8.0	19.0	100	6.1	66
JAN 23...	1030	9	80513	80010	583	460	7.2	.0	8.0	7.6	52
APR 12...	1225	9	80513	80010	3700	194	7.8	14.0	50	7.7	75
JUL 03...	1300	9	80513	80010	1650	440	7.6	29.0	50	5.8	76

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 18...	1345	764	1100	K19000	150	7	7	42	11	11	14
JAN 23...	1030	760	630	700	200	0	0	57	15	10	10
APR 12...	1225	760	K100	1600	78	1	1	22	5.6	4.3	10
JUL 03...	1300	759	K40	110	180	0	0	52	13	10	10

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT 18...	1345	.4	1.7	144	20	9.9	.20	14	212	200	.29
JAN 23...	1030	.3	2.4	204	27	6.0	.30	18	269	260	.37
APR 12...	1225	.2	2.3	77	11	4.2	.10	8.4	125	100	.17
JUL 03...	1300	.3	2.6	186	20	11	.20	15	260	240	.35

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
OCT 18...	1345	.190	.080	.70	.280	.090	.070	10	1	440	<.5
JAN 23...	1030	.200	.290	1.1	.140	.070	.040	20	1	280	<.5
APR 12...	1225	.670	.240	4.2	.290	.080	.050	10	1	92	<.5
JUL 03...	1300	<.100	.070	.90	.120	.130	.120	<10	3	210	<.0

07047800 ST. FRANCIS RIVER AT PARKIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT 18...	1345	1	20	<3	9	27	1	<4	2	< 1
JAN 23...	1030	<1	2	<3	6	9	4	5	310	<.1
APR 12...	1225	<1	30	<3	3	88	2	6	2	<.1
JUL 03...	1300	<1	2	<3	3	19	<1	11	11	<.1

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 18...	1345	<10	3	<1	<1	160	100	158	123	98
JAN 23...	1030	<10	2	<1	<1	230	7	14	22	85
APR 12...	1225	<10	12	<1	<1	91	11	685	6840	98
JUL 03...	1300	<10	1	1	3	210	<3	93	414	87

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE, AR

LOCATION.--Lat 35°32'15", long 90°29'05", in SE 1/4 NE 1/4 sec.31, T.11 N., R.6 E., Poinsett County, Hydrologic Unit 08020203, at bridge on U.S. Highway 63, 3.6 mi northwest of Marked Tree.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV										
08...	1100	9	80513	80513	67	2570	240	7.9	14.0	.20
08...	1200	9	80513	80513	68	302	--	--	14.0	.20
JAN										
18...	0900	9	80513	80513	67	5910	155	7.7	.5	.40
18...	0930	9	80513	80513	68	2030	--	--	.5	.40
18...	1030	9	80513	80513	68	40	--	--	.5	.40
18...	1130	9	80513	80513	68	30	--	--	.5	.40
FEB										
15...	1400	9	80513	80513	67	6500	153	7.3	12.0	.00
15...	1430	9	80513	80513	68	2230	--	--	12.0	.00
15...	1500	9	80513	80513	68	86	--	--	12.0	.00
15...	1530	9	80513	80513	68	196	--	--	12.0	.00
MAR										
14...	0730	9	80513	80513	67	4130	229	7.8	7.0	.20
14...	0800	9	80513	80513	68	1000	--	--	7.5	.20
APR										
18...	0700	9	80513	80513	67	7170	200	8.0	14.0	.20
18...	0730	9	80513	80513	68	2370	--	--	15.0	.10
18...	0800	9	80513	80513	68	90	--	--	12.0	.20
18...	0830	9	80513	80513	68	173	--	--	15.0	.10
MAY										
16...	0730	9	80513	80513	67	8830	120	7.2	19.0	.20
16...	0800	9	80513	80513	68	3470	130	7.3	19.0	.20
16...	0830	9	80513	80513	68	3600	--	--	19.0	.20
16...	0900	9	80513	80513	68	4940	--	--	19.0	.20
16...	0930	9	80513	80513	68	321	--	--	19.0	.20
JUN										
06...	0730	9	80513	80513	67	4380	220	7.8	23.0	.10
06...	0800	9	80513	80513	68	644	--	--	23.0	.20
19...	1500	9	80513	80513	--	1940	320	7.9	28.0	.20

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
NOV									
08...	1100	8.7	85	754	175	1210	75	82	95
08...	1200	--	--	--	157	128	96	96	97
JAN									
18...	0900	12.5	86	770	91	1450	23	32	60
18...	0930	--	--	--	307	1680	12	29	97
18...	1030	--	--	--	51	5.5	94	97	98
18...	1130	--	--	--	104	8.4	98	98	98
FEB									
15...	1400	8.1	76	758	334	5860	85	89	96
15...	1430	--	--	--	298	1790	96	98	99
15...	1500	--	--	--	346	80	99	99	99
15...	1530	--	--	--	417	221	99	99	100
MAR									
14...	0730	10.9	89	767	92	1030	63	69	83
14...	0800	--	--	--	53	143	98	98	99
APR									
18...	0700	8.5	83	757	82	1590	64	67	95
18...	0730	--	--	--	67	429	82	90	95
18...	0800	--	--	--	100	24	91	93	95
18...	0830	--	--	--	97	45	98	98	99
MAY									
16...	0730	7.0	75	764	125	2980	97	98	99
16...	0800	7.0	75	764	134	1260	99	99	100
16...	0830	--	--	--	167	1620	100	--	--
16...	0900	--	--	--	220	2930	100	--	--
16...	0930	--	--	--	228	198	99	99	99
JUN									
06...	0730	7.2	84	758	159	1880	71	75	90
06...	0800	--	--	--	120	209	95	98	99
19...	1500	6.7	86	760	113	592	62	64	70

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV									
08...	1100	99	100	4	21	55	79	99	100
08...	1200	100	--	49	64	91	97	100	--
JAN									
18...	0900	94	100	0	0	21	97	100	--
18...	0930	100	--	7	15	80	99	100	--
18...	1030	100	--	51	60	78	94	97	100
18...	1130	99	100	2	3	32	89	99	100
FEB									
15...	1400	100	--	1	1	3	77	99	100
15...	1430	100	--	5	14	71	96	100	--
15...	1500	100	--	42	46	70	95	100	--
15...	1530	--	--	12	14	24	30	31	--
MAR									
14...	0730	97	100	19	30	85	98	100	--
14...	0800	100	--	53	65	93	99	100	--
APR									
18...	0700	97	100	0	0	38	99	100	--
18...	0730	97	100	0	0	34	99	100	--
18...	0800	100	--	59	66	83	95	97	100
18...	0830	100	--	29	32	49	60	63	--
MAY									
16...	0730	100	--	0	0	28	98	100	--
16...	0800	--	--	46	67	87	98	100	--
16...	0830	--	--	8	9	11	89	98	--
16...	0900	--	--	54	59	80	94	97	--
16...	0930	100	--	31	35	66	93	100	--
JUN									
06...	0730	100	--	0	0	5	78	100	--
06...	0800	100	--	3	5	32	90	100	--
19...	1500	100	--	3	3	11	93	100	--

07047815 CROSS COUNTY DITCH NEAR BIRDEYE, AR

LOCATION.--Lat 35°21'38", long 90°39'00", in NE 1/4 SE 1/4 sec.34, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on State Highway 42, 2.3 mi east of Birdeye.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV											
08...	0900	9	80513	80513	--	1750	14.0	.20	172	813	93
JAN											
18...	1300	9	80513	80513	--	7920	8.5	.40	150	3210	29
FEB											
16...	0930	9	80513	80513	--	8800	11.5	.00	518	12300	60
MAR											
14...	1115	9	80513	80513	--	4810	10.5	.20	101	1310	69
APR											
18...	1130	9	80513	80513	--	9270	17.0	.20	68	1700	60
MAY											
16...	1220	9	80513	80513	67	16800	20.0	.20	197	8940	87
16...	1250	9	80513	80513	68	3350	20.0	.00	195	1760	85
JUN											
06...	1130	9	80513	80513	--	5230	25.0	.20	147	2080	88
20...	0835	9	80513	80513	--	1750	28.0	.20	90	425	98

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV										
08...	0900	98	99	100	--	18	47	77	99	100
JAN										
18...	1300	42	97	100	--	1	1	58	94	100
FEB										
16...	0930	65	96	100	--	0	0	68	99	100
MAR										
14...	1115	77	97	100	--	1	1	71	99	100
APR										
18...	1130	67	96	100	--	1	1	62	99	100
MAY										
16...	1220	93	98	100	--	1	1	56	98	100
16...	1250	89	97	99	100	6	7	14	33	49
JUN										
06...	1130	94	98	100	--	3	4	75	99	100
20...	0835	98	98	100	--	1	2	67	98	100

07047882 STRAIGHT SLOUGH NEAR BIRDEYE, AR

LOCATION.--Lat 35°21'45", long 90°39'26", in NE 1/4 SW 1/4 sec.34, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on State Highway 42, 1.8 mi east of Birdeye.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
07...	1300	9	80513	80513	72	450	8.5	15.0	.20
JAN									
18...	1400	9	80513	80513	.00	391	8.1	5.0	--
FEB									
16...	1015	9	80513	80513	577	171	7.6	13.0	.00
MAR									
14...	1215	9	80513	80513	520	334	7.2	11.0	.20
APR									
18...	1200	9	80513	80513	.00	362	8.1	16.0	--
MAY									
16...	1315	9	80513	80513	.00	310	7.8	20.0	--
JUN									
06...	1205	9	80513	80513	.00	500	7.7	25.0	--
20...	0930	9	80513	80513	235	420	7.9	28.0	.40

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV								
07...	1300	12.2	121	761	38	7.4	96	96
JAN								
18...	1400	11.4	89	768	--	--	--	--
FEB								
16...	1015	8.1	78	754	114	178	98	99
MAR								
14...	1215	10.0	90	768	71	100	99	99
APR								
18...	1200	9.6	98	757	--	--	--	--
MAY								
16...	1315	9.2	102	760	--	--	--	--
JUN								
06...	1205	7.4	90	758	--	--	--	--
20...	0930	4.5	58	760	107	68	70	83

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV								
07...	1300	98	100	9	29	97	100	--
FEB								
16...	1015	100	--	0	0	9	12	13
MAR								
14...	1215	100	--	2	4	88	99	100
JUN								
20...	0930	95	100	9	14	92	100	--

07047900 ST. FRANCIS BAY AT RIVERFRONT, AR

(National stream-quality accounting network station)

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

LOCATION.--Lat 35°15'34", long 90°40'48", in W 1/2 sec.4, T.7 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Riverfront, 7.0 mi west of Parkin.

DRAINAGE AREA.--Intermediate. Total drainage area of St. Francis River and St. Francis Bay, 6,475 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1973 to September 1981.
WATER TEMPERATURES: October 1973 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT											
18...	1215	9	80513	80010	791	450	8.1	18.0	22	--	6.4
18...	1400	9	80513	80513	773	321	8.3	19.0	--	.20	8.1
NOV											
07...	1300	9	80513	80513	1110	350	8.3	14.5	--	.00	6.8
JAN											
03...	1315	9	80513	80010	9670	240	7.2	.0	17	--	9.1
25...	1100	9	80513	80513	11800	151	7.3	1.0	--	.20	11.4
FEB											
16...	1400	9	80513	80010	9550	155	7.6	13.0	100	.00	8.1
MAR											
14...	1000	9	80513	80513	5860	232	7.6	8.0	--	.20	9.2
APR											
12...	1135	9	80513	80010	16500	150	7.7	14.0	55	--	7.8
18...	1400	9	80513	80513	10300	200	7.8	15.0	--	.20	8.0
MAY											
17...	0800	9	80513	80513	20100	112	7.6	20.5	--	.20	6.8
JUN											
06...	1030	9	80513	80513	5530	229	7.8	24.0	--	.20	6.2
20...	0930	9	80513	80513	2060	316	8.3	28.0	--	.20	7.0
27...	1150	9	80513	80010	1720	362	8.2	26.5	38	--	7.3
JUL											
17...	1330	9	80513	80513	2080	246	7.9	28.0	--	.20	6.2
AUG											
15...	1130	9	80513	80010	590	311	8.4	29.5	1.5	.30	7.3
SEP											
12...	1330	9	80513	80513	1790	270	8.3	25.5	--	.10	6.6

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
OCT											
18...	1215	68	762	K33	9400	210	0	0	58	15	12
18...	1400	87	764	--	--	--	--	--	--	--	--
NOV											
07...	1300	67	759	--	--	--	--	--	--	--	--
JAN											
03...	1315	62	768	K11	110	110	7	7	29	8.7	5.7
25...	1100	80	765	--	--	--	--	--	--	--	--
FEB											
16...	1400	77	760	K180	5900	66	7	7	17	5.6	4.3
MAR											
14...	1000	78	760	--	--	--	--	--	--	--	--
APR											
12...	1135	76	760	K33	640	61	4	4	16	5.0	3.4
18...	1400	80	758	--	--	--	--	--	--	--	--
MAY											
17...	0800	75	768	--	--	--	--	--	--	--	--
JUN											
06...	1030	74	759	--	--	--	--	--	--	--	--
20...	0930	90	760	--	--	--	--	--	--	--	--
27...	1150	92	755	K17	K16	150	0	0	40	11	7.5
JUL											
17...	1330	80	755	--	--	--	--	--	--	--	--
AUG											
15...	1130	96	762	K22	210	150	13	13	43	11	8.6
SEP											
12...	1330	81	762	--	--	--	--	--	--	--	--

07047900 ST. FRANCIS BAY AT RIVERFRONT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
OCT											
18...	1215	11	.4	1.8	214	21	9.3	.20	16	269	260
JAN											
03...	1315	10	.2	2.0	102	17	5.4	<.10	13	131	140
FEB											
16...	1400	12	.2	2.2	59	11	4.7	<.10	6.4	99	87
APR											
12...	1135	11	.2	1.8	57	11	5.9	.10	7.2	110	85
JUN											
27...	1150	10	.3	2.2	148	16	7.1	.20	14	231	190
AUG											
15...	1130	11	.3	2.1	140	17	9.0	.10	13	188	190

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
OCT											
18...	1215	.37	.200	.230	.40	.160	.040	.050	--	--	--
JAN											
03...	1315	.18	.290	.200	.80	.140	.050	.040	<10	1	160
FEB											
16...	1400	.13	.310	.080	1.4	.240	.020	.040	--	--	--
APR											
12...	1135	.15	.350	.130	1.3	.140	.060	.030	80	1	88
JUN											
27...	1150	.31	.580	.110	1.2	.100	.060	.060	20	3	190
AUG											
15...	1130	.26	<.100	.040	.80	.130	.060	.060	10	3	190

DATE	TIME	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
JAN											
03...	1315	<.5	1	7	<3	1	55	<1	<4	69	<.1
APR											
12...	1135	<.5	<1	7	<3	2	140	2	<4	4	<.1
JUN											
27...	1150	<.0	<1	<1	<3	<1	14	<1	<4	5	<.1
AUG											
15...	1130	<.0	<1	1	<3	2	21	6	<4	12	.1

07047900 ST. FRANCIS BAY AT RIVERFRONT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT											
18...	1215	--	--	--	--	--	--	36	77	--	--
18...	1400	--	--	--	--	--	--	253	486	100	--
NOV											
07...	1300	--	--	--	--	--	--	83	249	94	96
JAN											
03...	1315	<10	2	<1	<1	95	9	22	574	--	--
25...	1100	--	--	--	--	--	--	162	5160	46	56
FEB											
16...	1400	--	--	--	--	--	--	401	10300	82	90
MAR											
14...	1000	--	--	--	--	--	--	112	1770	69	79
APR											
12...	1135	<10	5	<1	<1	58	7	60	2670	--	--
18...	1400	--	--	--	--	--	--	90	2500	80	90
MAY											
17...	0800	--	--	--	--	--	--	208	11300	72	78
JUN											
06...	1030	--	--	--	--	--	--	201	3000	70	77
20...	0930	--	--	--	--	--	--	137	762	76	81
27...	1150	<10	<1	<1	2	140	6	87	404	--	--
JUL											
17...	1330	--	--	--	--	--	--	208	1170	78	85
AUG											
15...	1130	<10	1	<1	1	140	100	44	70	90	90
SEP											
12...	1330	--	--	--	--	--	--	136	657	86	91

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT											
18...	1215	--	--	--	92	--	--	--	--	--	--
18...	1400	--	--	--	--	1	1	27	96	100	--
NOV											
07...	1300	98	100	--	--	15	48	86	99	100	--
JAN											
03...	1315	--	--	--	80	--	--	--	--	--	--
25...	1100	96	99	100	--	0	0	72	99	100	--
FEB											
16...	1400	99	100	--	82	0	0	46	96	100	--
MAR											
14...	1000	97	100	--	--	2	3	75	99	100	--
APR											
12...	1135	--	--	--	91	--	--	--	--	--	--
18...	1400	98	100	--	--	14	17	31	91	99	100
MAY											
17...	0800	99	100	--	--	5	11	80	98	100	--
JUN											
06...	1030	98	100	--	--	95	97	99	99	100	--
20...	0930	98	100	--	--	0	0	64	99	100	--
27...	1150	--	--	--	80	--	--	--	--	--	--
JUL											
17...	1330	98	100	--	--	0	0	47	98	100	--
AUG											
15...	1130	95	100	--	--	1	1	60	99	100	--
SEP											
12...	1330	98	100	--	--	1	2	68	99	100	--

BEST COPY AVAILABLE

07047904 CLARK CORNER CUTOFF NEAR COLT, AR

LOCATION.--Lat 35°08'41", long 90°39'23", in NW 1/4 NE 1/4 sec.15, T.6 N., R.4 E., St. Francis County, Hydrologic Unit 08020203, at bridge on Old Military Road 9.0 mi east of Colt.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV 07...	0930	9	80513	80513	1110	14.5	.20	71	213	85	93
JAN 25...	1330	9	80513	80513	13300	1.0	.20	154	5530	46	57
FEB 16...	1200	9	80513	80513	10300	13.0	.00	378	10500	80	88
MAR 15...	0815	9	80513	80513	5610	8.0	.20	70	1060	96	98
APR 19...	0810	9	80513	80513	10000	15.0	.10	79	2130	93	95
MAY 17...	0830	9	80513	80513	21300	20.0	.00	163	9370	92	96
JUN 06...	1320	9	80513	80513	6260	25.0	.10	174	2940	96	98
20...	1115	9	80513	80513	2290	30.0	.20	51	315	85	92

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV 07...	0930	98	100	--	7	9	35	88	99	100
JAN 25...	1330	98	100	--	13	15	19	62	98	100
FEB 16...	1200	99	100	--	1	1	73	98	100	--
MAR 15...	0815	99	100	--	8	24	94	99	100	--
APR 19...	0810	97	98	100	0	0	1	79	99	100
MAY 17...	0830	99	100	--	1	2	5	90	100	--
JUN 06...	1320	99	100	--	0	0	2	90	100	--
20...	1115	97	98	100	2	3	6	88	100	--

07047907 ST. FRANCIS RIVER AT MADISON, AR

LOCATION.--Lat 35°00'38", long 90°43'05", in NE 1/4 SW 1/4 sec.30, T.5 N., R.4 E., St. Francis County, Hydrologic Unit 08020203, at bridge on State Highway 50 at Madison.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT										
18...	1030	9	80513	80513	--	781	388	8.3	18.5	.10
NOV										
07...	1030	9	80513	80513	--	941	310	8.3	12.5	.30
JAN										
26...	0900	9	80513	80513	--	10500	153	7.3	1.0	.20
FEB										
17...	0800	9	80513	80513	--	10200	178	7.6	11.5	.00
MAR										
14...	1245	9	80513	80513	--	6470	221	7.8	8.0	.10
APR										
19...	0800	9	80513	80513	--	9570	200	7.6	15.0	.20
MAY										
17...	1130	9	80513	80513	67	19000	120	7.4	20.0	.00
17...	1205	9	80513	80513	68	1200	125	7.4	20.0	.00
JUN										
06...	1315	9	80513	80513	--	5760	199	7.9	24.0	.20
20...	1230	9	80513	80513	--	2540	326	8.0	28.5	.20
JUL										
18...	0800	9	80513	80513	--	2240	230	7.9	27.0	.20
AUG										
15...	0730	9	80513	80513	--	668	306	8.4	27.0	.20
SEP										
13...	0800	9	80513	80513	--	1680	218	8.0	25.0	.10

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT									
18...	1030	8.0	85	764	98	207	99	99	100
NOV									
07...	1030	3.7	35	759	64	163	94	94	96
JAN									
26...	0900	11.0	77	764	91	2580	75	84	96
FEB									
17...	0800	8.8	81	760	342	9420	91	96	99
MAR									
14...	1245	10.6	89	765	132	2310	61	63	84
APR									
19...	0800	8.3	83	757	54	1400	99	99	100
MAY									
17...	1130	7.5	83	760	171	8770	98	98	99
17...	1205	5.7	63	760	202	654	97	97	98
JUN									
06...	1315	5.8	69	758	194	3020	84	90	98
20...	1230	6.5	84	760	103	706	97	97	98
JUL									
18...	0800	5.7	72	759	455	2750	97	98	99
AUG									
15...	0730	6.7	84	761	100	180	94	94	96
SEP									
13...	0800	5.4	65	762	120	544	95	95	96

07047907 ST. FRANCIS RIVER AT MADISON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
18...	1030	--	--	7	18	36	49	87	--
NOV									
07...	1030	100	--	6	21	40	60	87	--
JAN									
26...	0900	100	--	1	2	33	88	99	100
FEB									
17...	0800	100	--	0	0	19	75	100	--
MAR									
14...	1245	100	--	1	1	10	69	99	100
APR									
19...	0800	--	--	1	1	17	52	71	--
MAY									
17...	1130	100	--	0	0	10	87	100	--
17...	1205	100	--	88	95	98	99	100	--
JUN									
06...	1315	100	--	1	1	4	61	98	100
20...	1230	100	--	5	7	13	66	99	100
JUL									
18...	0800	100	--	5	8	16	61	98	100
AUG									
15...	0730	98	100	5	9	18	83	99	100
SEP									
13...	0600	98	100	2	7	47	88	99	100

07047936 L'ANGUILLE RIVER NEAR CHERRY VALLEY, AR

LOCATION.--Lat 35°24'06", long 90°49'44", in E 1/2 and on line between secs.13 and 24, T.9 N., R.2 E., Cross County, Hydrologic Unit 08020205, at bridge on State Highway 42, 4.2 mi west of Cherry Valley.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
OCT									
19...	0900	9	80513	80513	67	149	282	7.7	18.0
19...	1000	9	80513	80513	68	59	239	7.5	18.0
JAN									
18...	1330	9	80513	80513	67	86	125	7.1	2.0
18...	1400	9	80513	80513	68	204	129	7.0	1.0
FEB									
16...	0930	9	80513	80513	67	160	102	7.3	12.0
16...	1030	9	80513	80513	68	685	102	7.3	12.0
MAR									
14...	0900	9	80513	80513	67	132	156	7.0	8.0
14...	0930	9	80513	80513	68	309	114	7.0	8.0
APR									
18...	1115	9	80513	80513	67	101	113	7.2	15.0
18...	1200	9	80513	80513	68	182	118	7.4	15.0
MAY									
16...	1330	9	80513	80513	67	161	94	7.1	21.0
16...	1400	9	80513	80513	68	416	94	7.1	21.0
JUN									
06...	0815	9	80513	80513	67	17	135	7.4	24.5
06...	0900	9	80513	80513	68	4.8	125	7.3	24.0
20...	0830	9	80513	80513	--	31	479	8.2	28.5
JUL									
17...	1200	9	80513	80513	--	22	369	8.0	28.0
AUG									
14...	1430	9	80513	80513	--	42	423	7.9	28.5
SEP									
12...	1200	9	80513	80513	67	307	180	7.3	23.0
12...	1230	9	80513	80513	68	826	175	7.2	23.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT									
19...	0900	.00	3.1	33	762	302	121	100	--
19...	1000	.00	3.0	32	762	257	41	100	--
JAN									
18...	1330	.30	11.2	81	765	40	9.3	93	93
18...	1400	.30	11.0	77	765	35	19	98	98
FEB									
16...	0930	.00	8.8	82	755	172	74	99	99
16...	1030	.00	8.8	82	755	178	329	99	99
MAR									
14...	0900	.00	8.1	68	764	154	55	100	--
14...	0930	.00	7.6	64	764	154	128	99	99
APR									
18...	1115	.00	5.9	59	757	109	30	100	--
18...	1200	.00	6.7	67	757	105	52	99	99
MAY									
16...	1330	.20	4.1	46	767	179	78	99	99
16...	1400	.20	4.0	45	767	179	201	93	98
JUN									
06...	0815	.00	3.5	42	756	268	12	98	99
06...	0900	.00	2.9	35	758	134	1.7	97	98
20...	0830	.20	3.2	41	760	177	15	98	99
JUL									
17...	1200	.10	3.1	40	755	228	14	100	--
AUG									
14...	1430	.10	4.4	57	759	123	14	99	99
SEP									
12...	1200	.10	2.5	29	762	71	59	89	95
12...	1230	.10	3.1	36	762	67	149	99	99

07047936 L'ANGUILLE RIVER NEAR CHERRY VALLEY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
19...	0900	--	--	18	21	67	97	100	--
19...	1000	--	--	54	56	68	88	91	--
JAN									
18...	1330	96	100	7	8	79	99	100	--
18...	1400	98	100	7	7	9	13	17	--
FEB									
16...	0930	99	100	10	11	80	99	100	--
16...	1030	99	100	44	46	48	52	53	--
MAR									
14...	0900	--	--	14	17	76	99	100	--
14...	0930	99	100	15	16	19	24	28	--
APR									
18...	1115	--	--	10	18	76	99	100	--
18...	1200	99	100	17	18	25	41	49	--
MAY									
16...	1330	99	100	45	63	90	99	100	--
16...	1400	99	100	75	76	79	83	86	--
JUN									
06...	0815	100	--	8	11	68	98	100	--
06...	0900	100	--	30	34	44	58	72	--
20...	0830	100	--	6	10	77	99	100	--
JUL									
17...	1200	--	--	17	25	81	99	100	--
AUG									
14...	1430	100	--	74	79	92	97	99	100
SEP									
12...	1200	98	100	3	4	70	99	100	--
12...	1230	99	100	24	25	38	56	61	--

BEST COPY AVAILABLE

07047942 L'ANGUILLE RIVER NEAR COLT, AR

LOCATION.--Lat 35°08'40", long 90°52'42", in NE 1/4 NW 1/4 sec.15, T.6 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, near center of span on downstream side of bridge on State highway 306, 1.1 mi downstream from Lick Creek, 3.9 mi northwest of Colt, and at mile 52.8.

DRAINAGE AREA.--535 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 192.52 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years, 769 ft^3/s, 19.52 in/yr, 557,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,000 ft^3/s Dec. 9, 1978, gage height, 15.81 ft, from rating curve extended above 6,100 ft^3/s; minimum, 0.99 ft^3/s July 20, 1980, gage height, 2.18 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,690 ft^3/s Dec. 4, gage height, 14.82 ft; minimum, 2.2 ft^3/s Nov. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	15	2380	2200	1160	688	1440	461	82	36	62	172
2	50	11	2380	2450	1010	661	1280	670	47	29	50	176
3	36	7.6	4900	2600	917	617	2130	1810	31	28	47	218
4	30	5.8	6360	845	832	693	2430	2320	27	25	46	276
5	24	5.2	6190	718	773	2360	2740	3170	27	25	48	281
6	20	4.1	6130	733	732	2540	2510	3670	26	27	60	291
7	15	2.5	5420	762	694	2790	2100	3640	28	29	116	305
8	12	2.3	4810	834	658	2560	1990	4730	30	28	140	313
9	9.8	3.7	4250	916	619	2090	3380	4060	36	29	138	340
10	8.5	5.0	3700	1270	581	1790	3300	3840	40	24	123	393
11	8.1	5.6	3680	1460	539	1580	3000	3280	31	21	106	454
12	11	5.6	3460	1520	855	1520	2470	2810	27	20	106	590
13	12	4.8	3440	1490	1730	1490	2000	2510	25	41	123	745
14	11	3.9	3290	1340	2170	1340	1690	2280	24	95	137	1040
15	11	3.8	2860	1160	2630	1210	1480	2090	23	110	143	1490
16	9.8	6.1	2490	1020	2420	1290	1300	1940	23	99	152	1800
17	8.1	7.5	2210	918	2010	1910	1110	1770	19	187	165	1900
18	9.4	6.7	1990	839	1720	2480	956	1560	16	282	166	1870
19	47	8.6	1760	785	1510	2980	856	1320	28	182	277	1780
20	137	240	1550	784	1350	3370	771	1080	55	141	358	1580
21	189	277	1630	784	1190	3000	707	922	69	122	329	1400
22	220	399	2350	764	1040	2590	634	800	81	96	325	1220
23	218	704	2110	737	922	2230	559	733	96	65	346	1130
24	201	1250	2000	1230	820	2000	490	659	90	48	350	1030
25	187	2130	1990	1460	745	1800	433	585	78	40	346	885
26	173	3060	1940	1900	687	1640	372	509	72	50	335	779
27	151	3570	1920	2250	720	1520	316	437	70	33	312	711
28	122	3500	1910	2100	725	1850	261	366	66	33	288	650
29	89	3070	1920	1800	698	1860	214	300	57	32	261	591
30	51	2710	1930	1530	---	1820	310	217	50	32	217	531
31	25	---	2000	1330	---	1670	---	140	---	40	186	---
TOTAL	2166.7	21024.8	94950	40529	32457	57939	43229	54679	1374	2049	5859	24941
MEAN	69.9	701	3063	1307	1119	1869	1441	1764	45.8	66.1	189	831
MAX	220	3570	6360	2600	2630	3370	3380	4730	96	282	358	1900
MIN	8.1	2.3	1550	718	539	617	214	140	16	20	46	172
CFSM	.13	1.31	5.73	2.44	2.09	3.49	2.69	3.30	.09	.12	.35	1.55
IN.	.15	1.46	6.60	2.82	2.26	4.03	3.01	3.80	.10	.14	.41	1.73
AC-FT	4300	41700	188300	80390	64380	114900	85740	108500	2730	4060	11620	49470

CAL YR 1983 TOTAL 341619.5 MEAN 936 MAX 7980 MIN 2.3 CFSM 1.75 IN. 23.75 AC-FT 677600
WTR YR 1984 TOTAL 381197.5 MEAN 1042 MAX 6360 MIN 2.3 CFSM 1.95 IN. 26.51 AC-FT 756100

07047942 L'ANGUILLE RIVER NEAR COLT, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1970 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT										
18...	1130	9	80513	80513	--	10	555	8.0	18.0	.10
18...	1145	9	80513	80010	--	10	553	8.2	17.5	--
NOV										
07...	1200	9	80513	80513	--	.00	210	7.9	14.0	--
JAN										
03...	1145	9	80513	80010	--	678	122	7.0	.0	--
18...	1600	9	80513	80513	--	722	112	7.1	.0	.30
FEB										
16...	1200	9	80513	80513	67	1260	82	7.5	12.0	.00
16...	1230	9	80513	80513	68	540	82	7.5	13.0	.00
16...	1330	9	80513	80010	--	1800	82	7.5	12.0	--
MAR										
14...	1110	9	80513	80513	67	917	93	7.0	9.0	.10
14...	1140	9	80513	80513	68	473	93	7.2	10.5	.00
APR										
12...	1110	9	80513	80010	--	3530	79	7.3	14.0	--
18...	1030	9	80513	80513	--	1210	102	7.6	14.0	.00
MAY										
16...	1500	9	80513	80513	67	1400	95	7.1	21.0	.20
16...	1530	9	80513	80513	68	600	90	7.1	22.0	.20
JUN										
06...	1200	9	80513	80513	--	26	139	7.5	25.5	.00
20...	1030	9	80513	80513	--	54	410	7.9	28.0	.10
27...	1040	9	80513	80010	--	68	385	7.9	26.5	--
JUL										
17...	1500	9	80513	80513	--	270	265	7.6	25.5	.10
AUG										
14...	1600	9	80513	80513	--	136	484	8.0	27.5	.10
14...	1630	9	80513	80010	--	125	484	8.0	27.5	--
SEP										
12...	1500	9	80513	80513	--	603	330	7.7	25.0	.10

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
OCT										
18...	1130	4.8	51	764	--	--	--	--	--	--
18...	1145	3.8	40	763	2.0	1200	2800	210	0	0
NOV										
07...	1200	2.8	27	760	--	--	--	--	--	--
JAN										
03...	1145	8.0	54	770	3.0	K67	130	47	3	3
18...	1600	11.6	80	760	--	--	--	--	--	--
FEB										
16...	1200	9.0	84	757	--	--	--	--	--	--
16...	1230	8.2	78	757	--	--	--	--	--	--
16...	1330	9.0	84	757	2.6	K67	650	30	0	0
MAR										
14...	1110	8.4	72	765	--	--	--	--	--	--
14...	1140	8.0	71	765	--	--	--	--	--	--
APR										
12...	1110	6.3	61	760	2.6	K67	K230	27	0	0
18...	1030	6.5	63	758	--	--	--	--	--	--
MAY										
16...	1500	6.0	67	767	--	--	--	--	--	--
16...	1530	5.7	65	767	--	--	--	--	--	--
JUN										
06...	1200	3.3	41	759	--	--	--	--	--	--
20...	1030	4.0	51	760	--	--	--	--	--	--
27...	1040	4.5	57	756	4.4	K50	160	160	0	0
JUL										
17...	1500	4.4	54	755	--	--	--	--	--	--
AUG										
14...	1600	5.4	69	758	--	--	--	--	--	--
14...	1630	5.4	69	758	3.4	K67	720	230	12	12
SEP										
12...	1500	3.8	46	762	--	--	--	--	--	--

07047942 L'ANGUILLLE RIVER NEAR COLT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT 18...	1145	50	20	31	24	1	4.1	207	26	32
JAN 03...	1145	12	4.1	5.2	18	.3	3.2	44	11	6.2
FEB 16...	1330	7.7	2.7	4.1	21	.3	2.5	31	6.4	3.5
APR 12...	1110	7.3	2.2	2.6	16	.2	1.6	29	5.7	2.8
JUN 27...	1040	38	16	23	23	.8	4.7	175	26	22
AUG 14...	1630	59	20	22	17	.7	2.8	218	22	18

DATE	TIME	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT 18...	1145	.30	3.53	3.36	.070	.040	3.60	3.40	.100	.170
JAN 03...	1145	<.10	.360	.430	.040	.010	.400	.440	.180	.220
FEB 16...	1330	<.10	.240	--	.060	<.010	.300	.200	.170	.080
APR 12...	1110	.10	.360	.370	.040	.030	.400	.400	.270	.180
JUN 27...	1040	.30	.280	2.54	.020	.060	.300	2.60	.150	.020
AUG 14...	1630	.20	--	.450	--	.040	--	.490	--	.150

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)
OCT 18...	1145	1.0	.63	1.1	.30	.80	4.7	4.2	.940	.690
JAN 03...	1145	1.2	1.4	1.4	.00	1.6	1.8	2.0	.150	.070
FEB 16...	1330	.83	.12	1.0	.80	.20	1.3	.40	.180	.010
APR 12...	1110	1.0	.92	1.3	.20	1.1	1.7	1.5	.150	.060
JUN 27...	1040	.85	.78	1.0	--	.80	1.3	--	.180	.130
AUG 14...	1630	--	1.1	--	--	1.2	--	--	--	.130

07047942 L'ANGUILLLE RIVER NEAR COLT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)
OCT										
18...	1145	3	90	1	14	<1	4	2000	4	200
JAN										
03...	1145	--	40	--	--	--	--	--	--	--
FEB										
16...	1330	--	30	--	--	--	--	--	--	--
APR										
12...	1110	--	20	--	--	--	--	--	--	--
JUN										
27...	1040	--	30	--	--	--	--	--	--	--
AUG										
14...	1630	--	30	--	--	--	--	--	--	--

DATE	TIME	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT										
18...	1130	--	--	--	--	139	3.8	99	99	99
18...	1145	.1	2	2	30	--	--	--	--	--
JAN										
18...	1600	--	--	--	--	49	96	98	98	98
FEB										
16...	1200	--	--	--	--	143	486	100	--	--
16...	1230	--	--	--	--	78	114	99	99	100
MAR										
14...	1110	--	--	--	--	138	342	98	98	99
14...	1140	--	--	--	--	136	174	98	98	99
APR										
18...	1030	--	--	--	--	69	225	98	98	98
MAY										
16...	1500	--	--	--	--	118	446	99	99	99
16...	1530	--	--	--	--	87	141	99	99	99
JUN										
06...	1200	--	--	--	--	280	20	93	95	98
20...	1030	--	--	--	--	144	21	99	99	99
JUL										
17...	1500	--	--	--	--	975	711	100	--	--
AUG										
14...	1600	--	--	--	--	104	38	100	--	--
SEP										
12...	1500	--	--	--	--	43	70	96	96	97

07047942 L'ANGUILLLE RIVER NEAR COLT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
18...	1130	100	--	98	98	99	99	100	--
JAN									
18...	1600	100	--	99	99	99	99	100	--
FEB									
16...	1200	--	--	64	73	86	92	99	100
16...	1230	--	--	100	--	--	--	--	--
MAR									
14...	1110	100	--	99	99	99	99	100	--
14...	1140	99	100	65	70	89	97	100	--
APR									
18...	1030	100	--	97	98	98	99	100	--
MAY									
16...	1500	100	--	96	97	97	98	99	100
16...	1530	100	--	97	97	98	99	99	100
JUN									
06...	1200	100	--	96	97	98	99	99	100
20...	1030	100	--	99	99	99	99	100	--
JUL									
17...	1500	--	--	98	98	99	99	100	--
AUG									
14...	1600	--	--	97	97	98	99	100	--
SEP									
12...	1500	100	--	99	99	99	99	100	--

07047947 SECOND CREEK NEAR PALESTINE

LOCATION.--Lat 35°02'20", long 90°54'40", in SW 1/4 SE 1/4 sec.17, T.5 N., R.2 E., St Francis County, Hydrologic Unit 08020205, at bridge on county road, 4 mi north of Palestine.

PERIOD OF RECORD.--June 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, JUNE 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN, 1984									
19...	0915	9	9827	9827	7.0	28.0	29.0	9.0	1.7
JUL									
31...	0930	9	9827	9827	7.5	22.0	25.0	8.0	5.1
AUG									
28...	0930	9	9827	9827	7.7	27.0	26.0	25	4.1
SEP									
25...	0920	9	9827	9827	--	22.0	24.0	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
JUN, 1984									
19...	0915	--	540	2.0	13	117	.16	26	.04
JUL									
31...	0930	1.5	32	10	29	247	.34	15	.13
AUG									
28...	0930	1.1	150	5.0	29	256	.35	22	.17
SEP									
25...	0920	--	30	--	--	--	--	--	--

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUN, 1984									
19...	0915	.160	--	.060	0	<1	13	10	90
JUL									
31...	0930	.050	.100	.040	0	<1	16	<1	--
AUG									
28...	0930	.040	.100	.070	0	1	16	8	70

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
28...	0930	.000	.000	.000	.000	.000	.00	<.01	.0

07047950 L'ANGUILLE RIVER AT PALESTINE, AR

LOCATION.--Lat 34°58'20", long 90°53'10", in NW 1/4 sec.10, T.4 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, at bridge on U.S. Highway 70, 1.0 mi east of Palestine, and at mile 33.6.

DRAINAGE AREA.--786 mi^2.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT										
18...	0930	9	80513	80513	--	.00	489	8.0	17.5	--
NOV										
07...	1000	9	80513	80513	--	.00	325	7.7	14.0	--
JAN										
26...	1200	9	80513	80513	67	1260	82	7.0	1.0	.00
26...	1300	9	80513	80513	68	383	85	6.9	1.0	.00
FEB										
17...	0930	9	80513	80513	67	1690	94	7.1	12.0	.00
17...	1000	9	80513	80513	68	690	94	7.1	12.0	.00
MAR										
15...	0815	9	80513	80513	67	1340	86	6.8	12.0	.10
15...	0845	9	80513	80513	68	416	82	6.9	12.0	.10
APR										
19...	1115	9	80513	80513	67	1130	94	7.1	15.0	.20
19...	1145	9	80513	80513	68	305	94	7.1	15.0	.10
MAY										
17...	1000	9	80513	80513	67	745	95	7.1	21.0	.20
17...	1030	9	80513	80513	68	368	95	7.1	21.0	.20
JUN										
06...	1500	9	80513	80513	--	.00	190	7.4	27.0	--
20...	1400	9	80513	80513	--	.00	540	8.0	29.0	--
JUL										
18...	0945	9	80513	80513	--	236	367	7.9	27.5	.10
AUG										
15...	1420	9	80513	80513	--	258	418	7.9	29.5	.20
SEP										
13...	1030	9	80513	80513	--	733	360	7.7	25.0	.10

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT									
18...	0930	4.8	50	763	--	--	--	--	--
NOV									
07...	1000	3.7	36	758	--	--	--	--	--
JAN									
26...	1200	10.2	72	764	47	160	94	94	96
26...	1300	10.4	73	764	48	50	87	87	92
FEB									
17...	0930	6.6	61	762	94	429	94	97	99
17...	1000	6.6	61	762	82	153	93	96	97
MAR									
15...	0815	7.4	69	762	128	463	97	98	99
15...	0845	7.4	69	762	109	122	85	91	96
APR									
19...	1115	8.2	82	752	62	189	98	98	99
19...	1145	8.2	32	752	49	40	94	95	97
MAY									
17...	1000	5.4	60	768	77	155	100	--	--
17...	1030	5.4	60	768	69	69	100	--	--
JUN									
06...	1500	4.9	62	757	--	--	--	--	--
20...	1400	5.0	65	760	--	--	--	--	--
JUL									
18...	0945	4.0	51	760	119	76	96	97	98
AUG									
15...	1420	6.7	85	761	132	92	93	97	98
SEP									
13...	1030	5.0	61	762	103	204	98	98	98

07047950 L'ANGUILLE RIVER AT PALESTINE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
JAN									
26...	1200	98	100	5	7	55	98	100	--
26...	1300	100	--	42	43	44	45	51	--
FEB									
17...	0930	100	--	53	66	82	95	99	100
17...	1000	100	--	97	97	98	99	100	--
MAR									
15...	0815	100	--	92	93	94	95	98	100
15...	0845	100	--	78	81	90	95	97	--
APR									
19...	1115	100	--	48	56	73	89	99	100
19...	1145	100	--	96	97	98	99	100	--
MAY									
17...	1000	--	--	45	47	52	66	94	100
17...	1030	--	--	93	95	97	98	99	100
JUL									
18...	0945	100	--	69	80	95	98	100	--
AUG									
15...	1420	100	--	86	89	93	98	100	--
SEP									
13...	1030	100	--	75	80	87	97	100	--

07047964 L'ANGUILLE RIVER AT MARIANNA, AR

LOCATION.--Lat 34°47'12", long 90°45'00", in SE 1/4 sec.11, T.2 N., R.3 E., Lee County, Hydrologic Unit 08020205, at bridge on U.S. Highway 79, 1.0 mi northeast of Marianna.

PERIOD OF RECORD.--April 1[illegible] to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT, 1983										
04...	1100	9	9827	9827	7.7	25.0	23.0	35	6.5	2.5
NOV										
01...	1340	9	9827	9827	7.3	27.0	18.0	70	6.1	1.5
21...	1235	9	9827	9827	7.5	19.0	14.0	20	8.6	4.8
JAN, 1984										
24...	1215	9	9827	9827	6.7	5.0	2.0	120	12.0	2.3
FEB										
28...	1250	9	9827	9827	6.7	7.0	6.0	95	8.9	2.3
MAR										
27...	1245	9	9827	9827	6.4	20.0	14.0	110	7.1	1.8
APR										
17...	1245	9	9827	9827	6.5	20.0	17.0	60	6.3	3.3
MAY										
08...	0930	9	9827	9827	6.8	12.0	17.0	160	--	1.5
JUN										
19...	1030	9	9827	9827	7.1	28.0	27.0	35	6.2	--
JUL										
31...	1030	9	9827	9827	7.3	28.0	27.0	25	7.2	5.6
AUG										
28...	1030	9	9827	9827	7.7	29.0	26.0	75	6.2	2.4
SEP										
25...	1035	9	9827	9827	7.2	23.0	23.0	60	6.0	2.4

DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1983										
04...	1100	52	28	28	341	.46	63	.23	.120	.240
NOV										
01...	1340	20	24	22	248	.34	60	.27	.150	--
21...	1235	230	30	15	360	.49	28	.27	--	.210
JAN, 1984										
24...	1215	110	8.0	7.5	147	.20	103	.53	.250	.280
FEB										
28...	1250	450	7.0	6.5	170	.23	--	.18	.160	.270
MAR										
27...	1245	40	8.0	4.0	171	.23	34	.42	.290	.250
APR										
17...	1245	10	3.0	2.5	124	.17	16	.38	.080	.200
MAY										
08...	0930	2000	8.0	4.5	183	.25	61	.28	--	.460
JUN										
19...	1030	120	8.0	10	152	.21	41	.08	.070	--
JUL										
31...	1030	8	18	17	245	.33	32	.44	.020	.190
AUG										
28...	1030	150	14	20	249	.34	144	.31	.100	.290
SEP										
25...	1035	410	8.0	12	132	.18	127	.11	.050	.250

07047964 L'ANGUILLE RIVER AT MARIANNA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1983									
04...	1100	.070	--	0	4	17	1	--	--
NOV									
01...	1340	.120	<5	0	6	<10	3	<5	0
21...	1235	.010	--	0	2	<10	5	--	260
JAN, 1984									
24...	1215	.110	--	0	7	<10	4	--	30
FEB									
28...	1250	.140	5	0	4	12	4	<5	--
MAR									
27...	1245	.210	--	0	3	<10	--	--	20
APR									
17...	1245	.140	<5	0	2	12	2	<5	520
MAY									
08...	0930	.350	--	0	--	36	13	--	--
JUN									
19...	1030	.060	--	0	<1	<10	2	--	0
JUL									
31...	1030	.020	<5	0	2	<10	2	<5	--
AUG									
28...	1030	.080	--	0	7	<10	4	--	40
SEP									
25...	1035	.090	--	0	4	<10	4	--	20

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
NOV, 1983									
21...	1235	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984									
24...	1215	.000	.000	.000	.000	.000	.00	.00	.0
APR									
17...	1245	.000	.000	.000	.000	.000	.00	.14	.0
JUL									
31...	1030	.000	.000	.000	.000	.000	.00	<.01	.0

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, AR

LOCATION.--Lat 36°03'00", long 94°04'42", in NW 1/4 sec.20, T.16 N., R.29 W., Washington County, Hydrologic Unit 11010001, at bridge on Mally Wagon Road, 0.5 mi north of State Highway 16, 1.4 mi upstream from White River, and 4.3 mi east of Fayetteville.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983 15...	0710	9	9827	9827	7.6	16.0	8.0	3.5	9.7
DEC 06...	0800	9	9827	9827	7.6	.0	5.0	25	10.6
JAN, 1984 10...	0835	9	9827	9827	7.4	-3.0	1.0	4.0	12.7
FEB 07...	1601	9	9827	9827	7.6	12.0	6.0	5.0	--
MAR 06...	1248	9	9827	9827	7.2	12.0	7.0	30	11.5
APR 17...	1235	9	9827	9827	7.5	16.0	13.0	15	10.4
JUN 12...	1347	9	9827	9827	7.6	30.0	27.0	20	7.6
JUL 24...	1134	9	9827	9827	7.5	31.0	27.0	9.8	5.9
AUG 21...	0551	9	9827	9827	7.4	24.0	26.0	9.0	5.8
SEP 18...	1426	9	9827	9827	7.7	28.0	25.0	20	6.5

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983 15...	0710	3.5	6	38	17	206	.28	7	.07
DEC 06...	0800	1.0	120	27	7.0	132	.18	14	.94
JAN, 1984 10...	0835	1.1	44	32	38	138	.19	6	.67
FEB 07...	1601	1.8	4	38	12	136	.19	6	.50
MAR 06...	1248	1.3	230	10	4.0	82	.11	24	1.1
APR 17...	1235	.6	30	11	4.0	89	.12	12	.56
JUN 12...	1347	1.4	120	15	7.0	111	.15	15	.17
JUL 24...	1134	2.5	80	21	8.5	140	.19	20	.05
AUG 21...	0551	3.0	24	21	7.5	136	.19	13	.11
SEP 18...	1426	1.4	35	26	14	181	.25	20	.10

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
15...	0710	--	.070	--	0	<1	11	3	50
DEC									
06...	0800	.040	.050	<.010	0	2	10	21	80
JAN, 1984									
10...	0835	.100	.100	.040	0	2	<10	--	40
FEB									
07...	1601	.090	.040	.040	1	<1	12	10	20
MAR									
06...	1248	--	.090	.050	2	1	<10	--	160
APR									
17...	1235	.060	.050	.050	1	2	<10	5	10
JUN									
12...	1347	.040	--	.030	0	<1	10	8	20
JUL									
24...	1134	.050	.080	.020	1	2	<10	8	20
AUG									
21...	0551	.100	.070	.040	2	1	<10	8	40
SEP									
18...	1426	.120	.070	.040	0	2	15	22	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
SEP, 1984									
18...	1426	.000	.000	.000	.000	.000	.00	<.01	.0

07048600 WHITE RIVER NEAR FAYETTEVILLE, AR

LOCATION.--Lat 36°04'23", long 94°04'51", in NE 1/4 SW 1/4 sec.8, T.16 N., R.29 W., Washington, County, Hydrologic Unit 11010001, on left bank at downstream side of bridge on county road, 0.6 mi downstream from West Fork White River, 0.8 downstream from Lake Sequoyah Dam on White River, 4.3 mi east of Fayetteville, and at mile 684.0.

DRAINAGE AREA.--400 mi^2.

PERIOD OF RECORD.--October 1963 to current year.

REVISED RECORDS.--WRD Ark. 1973: Drainage area. WRD Ark. 1974: 1966(M), 1972(M).

GAGE.--Water-stage recorder. Datum of gage is 1,138.25 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--21 years, 508 ft^3/s, 17.25 in/yr, 368,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,400 ft^3/s Nov. 25, 1973, gage height, 30.29 ft, from rating curve extended above 30,900 ft^3/s; minimum, 0.10 ft^3/s Oct. 3, 1982, gage height, 0.92 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,200 ft^3/s May 7, at 2200 hours, gage height, 18.22 ft, no other peak above base of 8,000 ft^3/s; minimum, 0.88 ft^3/s Nov. 13-14, gage height, 0.99 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	6.3	180	60	79	1160	1420	378	653	9.5	11	7.5
2	4.9	6.7	223	60	81	1460	1530	336	516	8.7	11	6.5
3	6.5	6.8	237	60	84	1320	2480	1050	421	9.4	11	14
4	10	11	352	62	82	3920	1640	604	347	19	12	10
5	12	12	353	69	77	3800	1300	464	293	11	11	7.7
6	9.8	8.5	288	74	78	1950	1070	1350	309	8.6	7.9	6.4
7	9.0	7.4	233	77	75	1360	921	7790	267	18	5.9	5.6
8	8.7	7.0	198	77	75	1030	1900	5760	216	12	9.1	5.0
9	10	6.4	164	81	72	801	2400	2260	184	8.5	25	5.8
10	11	12	154	92	72	657	1690	1550	141	6.5	11	10
11	12	3.7	490	92	125	556	1340	1140	125	6.7	9.7	7.8
12	19	2.1	593	92	1680	597	1150	886	108	13	9.5	6.3
13	15	1.1	434	93	1150	710	964	703	94	14	8.4	5.5
14	13	.98	409	89	749	594	803	569	82	14	8.3	5.7
15	12	1.2	356	86	570	527	715	770	74	14	8.3	8.8
16	11	1.4	294	86	521	482	638	542	61	17	8.3	8.7
17	42	2.1	249	83	476	699	552	395	50	12	8.3	8.9
18	13	4.2	215	80	403	933	482	314	40	14	8.3	7.9
19	4.3	46	198	62	362	2390	431	272	42	9.9	10	7.6
20	18	19	171	68	318	1400	415	277	63	9.4	11	7.6
21	7.4	7.0	152	60	283	1050	3940	279	145	9.4	11	7.6
22	4.3	4.5	127	64	257	831	1900	269	57	9.4	11	18
23	2.2	455	115	69	234	760	1310	221	35	8.6	12	16
24	1.7	815	90	72	214	2450	1030	183	27	9.4	10	7.5
25	6.2	391	95	72	199	1520	846	137	22	9.3	9.1	33
26	6.1	264	89	73	756	1180	713	2550	22	9.4	8.8	263
27	6.0	233	85	75	3130	1030	616	3520	15	36	8.6	290
28	5.8	308	85	78	1710	5060	518	3700	14	18	8.8	160
29	5.8	279	71	79	1250	3190	464	1760	12	13	8.3	117
30	5.8	220	62	80	---	1850	427	1170	11	12	7.8	92
31	5.8	---	62	79	---	1490	---	850	---	11	7.6	---
TOTAL	303.2	3142.38	6824	2344	15162	46757	35605	42049	4446	380.7	308.0	1157.4
MEAN	9.78	105	220	75.6	523	1508	1187	1356	148	12.3	9.94	38.6
MAX	42	815	593	93	3130	5060	3940	7790	653	36	25	290
MIN	1.7	.98	62	60	72	482	415	137	11	6.5	5.9	5.0
CFSM	.02	.26	.55	.19	1.31	3.77	2.97	3.39	.37	.03	.02	.10
IN.	.03	.29	.63	.22	1.41	4.35	3.31	3.91	.41	.04	.03	.11
AC-FT	601	6230	13540	4650	30070	92740	70620	83400	8820	755	611	2300

CAL YR 1983 TOTAL 135847.58 MEAN 372 MAX 5010 MIN .98 CFSM .93 IN. 12.63 AC-FT 269500
WTR YR 1984 TOTAL 158478.68 MEAN 433 MAX 7790 MIN .98 CFSM 1.08 IN. 14.74 AC-FT 314300

07048700 WHITE RIVER NEAR GOSHEN, AR

LOCATION.--Lat 36°06'21", long 94°00'41", in NE 1/4 NW 1/4 sec.31, T.17 N., R.28 W., Washington County, Hydrologic Unit 11010001, at bridge on State Highway 45, 0.2 mi upstream from Richland Creek, and 1.2 mi west of Goshen.

DRAINAGE AREA.--412 mi^2.

PERIOD OF RECORD.--July 1969 to July 1973, April 1974 to current year.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
OCT, 1983											
11...	1745	9	9827	9827	--	--	23	--	7.5	19.0	20.0
11...	1819	9	9827	9827	--	--	--	--	7.4	19.0	20.0
NOV											
21...	0730	9	9827	9827	--	--	18	--	7.3	17.0	14.0
DEC											
06...	1255	9	80513	80513	.00	6.0	--	--	--	1.0	--
06...	1300	9	80513	80010	3.00	6.0	--	110	7.9	--	6.0
JAN, 1984											
24...	0800	9	9827	9827	--	--	83	--	7.2	2.0	3.0
31...	1335	9	9827	9827	--	--	--	--	--	14.0	5.0
FEB											
07...	0800	9	9827	9827	--	--	86	--	7.3	2.0	1.0
MAR											
06...	0800	9	9827	9827	--	--	1970	--	6.9	9.0	6.0
20...	0800	9	9827	9827	--	--	1420	--	7.2	3.0	8.0
APR											
17...	0800	9	9827	9827	--	--	567	--	7.3	21.0	11.0
MAY											
15...	1130	9	9827	9827	--	--	790	--	7.1	19.0	20.0
21...	1135	9	80513	80513	.00	10.0	--	--	--	26.0	--
21...	1136	9	80513	80010	3.00	10.0	--	--	--	--	--
21...	1140	9	80513	80010	5.00	10.0	--	124	7.2	--	21.5
JUN											
12...	0820	9	9827	9827	--	--	118	--	7.2	27.0	27.0
JUL											
24...	0545	9	9827	9827	--	--	16	--	7.9	18.0	25.0
AUG											
13...	1215	9	80513	80513	.00	6.0	--	--	--	32.0	--
13...	1220	9	80513	80010	3.00	6.0	--	358	7.8	--	26.0
21...	0635	9	9827	9827	--	--	21	--	7.3	24.0	27.0
SEP											
18...	0645	9	9827	9827	--	--	18	--	7.5	10.0	19.0

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT, 1983										
11...	1745	--	15	--	--	4.8	--	--	--	2.8
11...	1819	--	8.0	--	--	7.0	--	--	--	1.5
NOV										
21...	0730	--	20	--	--	3.8	--	--	--	7.1
DEC										
06...	1255	--	--	26	.67	--	--	739	--	--
06...	1300	22	16	--	--	10.8	89	739	--	1.2
JAN, 1984										
24...	0800	--	5.4	--	--	11.4	--	--	--	1.5
FEB										
07...	0800	--	5.0	--	--	12.0	--	--	--	1.8
MAR										
06...	0800	--	40	--	--	11.3	--	--	--	1.5
20...	0800	--	50	--	--	10.6	--	--	--	2.5
APR										
17...	0800	--	9.0	--	--	10.0	--	--	--	1.2
MAY										
15...	1130	--	25	--	--	8.0	--	--	--	1.9
21...	1135	--	--	23	.58	--	--	728	--	--
21...	1136	--	--	--	--	--	--	728	--	--
21...	1140	10	22	--	--	6.1	72	728	--	2.5
JUN										
12...	0820	--	8.5	--	--	6.8	--	--	7	2.5
JUL										
24...	0545	--	8.5	--	--	8.1	--	--	--	4.3
AUG										
13...	1215	--	--	20	.52	--	--	736	--	--
13...	1220	8	8.7	--	--	2.8	36	736	--	4.9
21...	0635	--	20	--	--	3.2	--	--	--	6.9
SEP										
18...	0645	--	20	--	--	4.3	--	--	--	5.0

DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
OCT, 1983										
11...	1745	110	--	--	--	--	--	--	--	--
11...	1819	210	--	--	--	--	--	--	--	--
NOV										
21...	0730	90	--	--	--	--	--	--	--	--
DEC										
06...	1255	--	9	--	--	--	--	--	--	--
06...	1300	--	--	49	16	16	16	40	2.2	1.5
JAN, 1984										
24...	0800	<4	--	--	--	--	--	--	--	--
31...	1335	4	--	--	--	--	--	--	--	--
FEB										
07...	0800	<4	--	--	--	--	--	--	--	--
MAR										
06...	0800	160	--	--	--	--	--	--	--	--
20...	0800	>600	--	--	--	--	--	--	--	--
APR										
17...	0800	<10	--	--	--	--	--	--	--	--
MAY										
15...	1130	350	--	--	--	--	--	--	--	--
21...	1135	--	39	--	--	--	--	--	--	--
21...	1140	--	--	56	--	--	--	--	--	--
JUN										
12...	0820	84	--	--	--	--	--	--	--	--
JUL										
24...	0545	280	--	--	--	--	--	--	--	--
AUG										
13...	1215	--	150	--	--	--	--	--	--	--
13...	1220	--	--	48	--	--	--	--	--	--
21...	0635	36	--	--	--	--	--	--	--	--
SEP										
18...	0645	8	--	--	--	--	--	--	--	--

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1983										
11...	1745	--	31	43	236	.32	16	.88	4.90	--
11...	1819	--	17	8.5	118	.16	11	.04	.060	--
NOV										
21...	0730	--	38	28	221	.30	23	.62	1.05	--
DEC										
06...	1300	33	14	5.4	--	--	--	1.1	.370	.13
JAN, 1984										
24...	0800	--	18	11	97	.13	6	.90	1.14	--
FEB										
07...	0800	--	19	10	93	.13	6	.83	1.22	--
MAR										
06...	0800	--	6.0	3.0	69	.09	28	1.0	.100	--
20...	0800	--	9.0	3.5	84	.11	34	.71	.130	--
APR										
17...	0800	--	7.0	4.0	74	.10	10	.62	.170	--
MAY										
15...	1130	--	14	3.0	72	.10	16	.58	.170	--
21...	1140	46	--	--	--	--	--	.60	.110	.99
JUN										
12...	0820	--	12	7.5	95	.13	5	.83	.070	--
JUL										
24...	0545	--	25	30	209	.28	21	1.8	.070	--
AUG										
13...	1220	107	--	--	--	--	--	.50	--	--
21...	0635	--	32	46	268	.36	23	1.4	2.20	--
SEP										
18...	0645	--	29	62	305	.41	22	1.1	2.20	--

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)
OCT, 1983										
11...	1745	--	--	--	2.30	--	1.75	--	--	0
11...	1819	--	--	--	.050	--	<.010	--	--	0
NOV										
21...	0730	--	--	--	1.50	--	--	--	--	0
DEC										
06...	1300	.50	1.6	7.1	.160	.49	.130	350	1	--
JAN, 1984										
24...	0800	--	--	--	.640	--	.560	--	--	0
FEB										
07...	0800	--	--	--	.600	--	.600	--	--	0
MAR										
06...	0800	--	--	--	.140	--	--	--	--	0
20...	0800	--	--	--	--	--	.080	--	--	--
APR										
17...	0800	--	--	--	.140	--	.100	--	--	--
MAY										
15...	1130	--	--	--	.140	--	.060	--	--	0
21...	1140	1.1	1.7	7.5	.170	--	<.010	260	1	--
JUN										
12...	0820	--	--	--	--	--	.420	--	--	--
JUL										
24...	0545	--	--	--	.970	--	.790	--	--	0
AUG										
13...	1220	--	--	--	1.40	--	1.50	360	3	--
21...	0635	--	--	--	1.70	--	1.50	--	--	0
SEP										
18...	0645	--	--	--	2.35	--	2.00	--	--	--

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1983										
11...	1745	2	33	--	12	--	--	--	40	--
11...	1819	1	24	--	9	--	--	--	60	--
NOV										
21...	0730	5	15	--	5	--	--	--	40	--
DEC										
06...	1300	10	2	780	<1	60	<.1	4	10	--
JAN, 1984										
24...	0800	<1	28	--	38	--	--	--	140	--
FEB										
07...	0800	<1	17	--	13	--	--	--	60	--
MAR										
06...	0800	1	<10	--	6	--	--	--	80	--
20...	0800	<1	<10	--	10	--	--	--	40	--
APR										
17...	0800	2	<10	--	3	--	--	--	30	--
MAY										
15...	1130	1	13	--	5	--	--	--	--	--
21...	1140	<10	2	710	<1	100	<.1	5	<10	--
JUN										
12...	0820	2	13	--	4	--	--	--	30	--
JUL										
24...	0545	<1	--	--	5	--	--	--	40	.000
AUG										
13...	1220	<10	3	1400	1	1600	.1	12	30	--
21...	0635	3	13	--	6	--	--	--	20	--
SEP										
18...	0645	2	23	--	5	--	--	--	110	--

DATE	TIME	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN, TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1983										
06...	1300	--	--	--	--	--	--	--	.500	<.100
MAY, 1984										
21...	1136	--	--	--	--	--	--	--	1.80	<.100
JUL										
24...	0545	.000	.000	.000	.000	.00	<.01	.0	--	--
AUG										
13...	1220	--	--	--	--	--	--	--	13.0	<.100

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR

LOCATION.--Lat 36°25'15", long 93°50'50", in NW 1/4 NW 1/4 sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at dam on White River, 6.0 mi west of Eureka Springs, and at mile 609.0.

DRAINAGE AREA.--1,192 mi^2.

PERIOD OF RECORD.--Water years 1968-71, 1973, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
OCT								
20...	1120	9	80513	80513	.00	179	132	8.0
20...	1122	9	80513	80513	10.0	179	132	8.0
20...	1124	9	80513	80513	20.0	179	132	8.0
20...	1126	9	80513	80513	30.0	179	132	8.0
20...	1128	9	80513	80513	40.0	179	133	8.0
20...	1130	9	80513	80513	48.0	179	134	7.6
20...	1132	9	80513	80513	50.0	179	133	7.5
20...	1134	9	80513	80513	52.0	179	133	7.4
20...	1136	9	80513	80513	55.0	179	132	7.3
20...	1138	9	80513	80513	60.0	179	132	7.3
20...	1140	9	80513	80513	65.0	179	130	7.2
20...	1142	9	80513	80513	70.0	179	129	7.2
20...	1144	9	80513	80513	80.0	179	126	7.2
20...	1146	9	80513	80513	90.0	179	123	7.1
20...	1148	9	80513	80513	100	179	122	7.1
20...	1150	9	80513	80513	110	179	121	7.1
20...	1152	9	80513	80513	120	179	121	7.1
20...	1154	9	80513	80513	130	179	122	7.1
20...	1156	9	80513	80513	140	179	125	7.0
20...	1158	9	80513	80513	150	179	129	7.0
20...	1200	9	80513	80513	160	179	132	7.0
20...	1203	9	80513	80513	170	179	137	6.9
20...	1205	9	80513	80513	179	179	145	6.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
20...	1120	20.0	296	7.5	8.0	91	734
20...	1122	20.0	--	--	7.7	--	--
20...	1124	20.0	--	--	7.3	--	--
20...	1126	20.0	--	--	7.1	--	--
20...	1128	19.5	--	--	6.8	--	--
20...	1130	18.5	--	--	4.0	--	--
20...	1132	17.5	--	--	3.7	--	--
20...	1134	16.5	--	--	3.6	--	--
20...	1136	15.5	--	--	2.6	--	--
20...	1138	14.5	--	--	2.6	--	--
20...	1140	13.5	--	--	2.2	--	--
20...	1142	13.0	--	--	2.1	--	--
20...	1144	12.0	--	--	2.0	--	--
20...	1146	11.0	--	--	2.2	--	--
20...	1148	11.0	--	--	2.3	--	--
20...	1150	10.5	--	--	2.4	--	--
20...	1152	10.0	--	--	2.2	--	--
20...	1154	9.5	--	--	1.9	--	--
20...	1156	9.0	--	--	1.4	--	--
20...	1158	9.0	--	--	.5	--	--
20...	1200	8.5	--	--	.2	--	--
20...	1203	8.5	--	--	.1	--	--
20...	1205	8.5	--	--	.1	--	--

07049690 BEAVER LEAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV								
14...	1215	9	80513	80513	.00	173	142	8.5
14...	1216	9	80513	80513	10.0	173	142	8.5
14...	1218	9	80513	80513	20.0	173	142	8.5
14...	1220	9	80513	80513	30.0	173	142	8.5
14...	1224	9	80513	80513	40.0	173	142	8.5
14...	1226	9	80513	80513	50.0	173	142	8.5
14...	1228	9	80513	80513	60.0	173	142	8.5
14...	1230	9	80513	80513	61.0	173	140	8.1
14...	1232	9	80513	80513	65.0	173	140	8.1
14...	1234	9	80513	80513	70.0	173	138	8.0
14...	1236	9	80513	80513	80.0	173	136	8.0
14...	1238	9	80513	80513	90.0	173	134	8.0
14...	1240	9	80513	80513	100	173	134	8.0
14...	1242	9	80513	80513	110	173	132	8.0
14...	1244	9	80513	80513	120	173	132	8.0
14...	1246	9	80513	80513	130	173	134	8.0
14...	1248	9	80513	80513	140	173	136	7.9
14...	1250	9	80513	80513	150	173	140	7.9
14...	1252	9	80513	80513	160	173	144	7.9
14...	1254	9	80513	80513	170	173	146	7.9
14...	1255	9	80513	80513	173	173	148	7.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
14...	1215	14.5	166	4.2	8.4	83	760
14...	1216	14.5	--	--	8.3	--	--
14...	1218	14.5	--	--	8.2	--	--
14...	1220	14.5	--	--	8.2	--	--
14...	1224	14.5	--	--	8.2	--	--
14...	1226	14.5	--	--	8.2	--	--
14...	1228	14.5	--	--	7.8	--	--
14...	1230	13.5	--	--	1.8	--	--
14...	1232	12.5	--	--	1.3	--	--
14...	1234	12.5	--	--	1.3	--	--
14...	1236	11.5	--	--	1.6	--	--
14...	1238	10.5	--	--	2.0	--	--
14...	1240	10.0	--	--	2.2	--	--
14...	1242	9.5	--	--	2.2	--	--
14...	1244	9.0	--	--	1.6	--	--
14...	1246	8.5	--	--	1.0	--	--
14...	1248	8.5	--	--	.5	--	--
14...	1250	8.5	--	--	.2	--	--
14...	1252	8.5	--	--	.1	--	--
14...	1254	8.0	--	--	.1	--	--
14...	1255	8.0	--	--	.1	--	--

07049690 BEAVER LEAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
07...	0830	9	80513	80513	.00	176	138	6.3	3.0	11.0
07...	0831	9	80513	80010	3.00	176	--	--	--	--
07...	0832	9	80513	80513	10.0	176	138	6.3	--	11.0
07...	0834	9	80513	80513	20.0	176	138	6.3	--	11.0
07...	0835	9	80513	80010	25.0	176	138	8.1	--	11.0
07...	0838	9	80513	80513	30.0	176	138	6.2	--	11.0
07...	0840	9	80513	80513	40.0	176	138	6.4	--	11.0
07...	0842	9	80513	80513	50.0	176	138	6.4	--	11.0
07...	0844	9	80513	80513	60.0	176	138	6.5	--	11.0
07...	0846	9	80513	80513	70.0	176	138	6.5	--	11.0
07...	0848	9	80513	80513	80.0	176	138	6.7	--	11.0
07...	0849	9	80513	80513	90.0	176	138	6.5	--	11.0
07...	0850	9	80513	80010	100	176	138	6.8	--	11.0
07...	0852	9	80513	80513	110	176	132	6.3	--	10.0
07...	0854	9	80513	80513	120	176	132	6.1	--	10.0
07...	0856	9	80513	80513	130	176	132	6.2	--	9.5
07...	0858	9	80513	80513	140	176	132	6.2	--	9.0
07...	0900	9	80513	80513	150	176	138	6.2	--	9.0
07...	0902	9	80513	80513	160	176	141	6.1	--	9.0
07...	0904	9	80513	80513	170	176	146	6.2	--	8.5
07...	0905	9	80513	80513	176	176	152	6.4	--	8.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
07...	0830	156	4.0	8.8	83	735	--	--	--	0
07...	0831	--	--	--	--	735	--	--	--	--
07...	0832	--	--	9.1	--	--	--	--	--	--
07...	0834	--	--	9.1	--	--	--	--	--	--
07...	0835	--	--	9.0	85	735	4	<1.0	.8	--
07...	0838	--	--	9.0	--	--	--	--	--	--
07...	0840	--	--	9.2	--	--	--	--	--	--
07...	0842	--	--	9.3	--	--	--	--	--	--
07...	0844	--	--	9.7	--	--	--	--	--	--
07...	0846	--	--	9.8	--	--	--	--	--	--
07...	0848	--	--	9.8	--	--	--	--	--	--
07...	0849	--	--	9.9	--	--	--	--	--	--
07...	0850	--	--	9.8	92	735	3	<1.0	.7	--
07...	0852	--	--	2.9	--	--	--	--	--	--
07...	0854	--	--	2.9	--	--	--	--	--	--
07...	0856	--	--	1.8	--	--	--	--	--	--
07...	0858	--	--	1.7	--	--	--	--	--	--
07...	0900	--	--	1.5	--	--	--	--	--	--
07...	0902	--	--	1.5	--	--	--	--	--	--
07...	0904	--	--	1.5	--	--	--	--	--	--
07...	0905	--	--	1.5	--	--	--	--	--	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC										
07...	0835	64	0	0	22	55	2.1	1.5	66	7.0
07...	0850	62	0	0	21	52	2.2	1.5	62	7.0

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
DEC										
07...	0835	5.4	.200	.050	<.10	.010	<.010	20	1	<10
07...	0850	6.4	.200	<.010	<.10	.010	<.010	40	1	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
07...	0831	--	--	--	--	--	--	--	1.10	<.100
07...	0835	1	120	3	10	<.1	1	40	--	--
07...	0850	1	100	2	20	<.1	1	20	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JAN								
25...	1020	9	80513	80513	.00	170	150	8.0
25...	1022	9	80513	80513	10.0	170	150	8.0
25...	1024	9	80513	80513	20.0	170	150	8.0
25...	1026	9	80513	80513	30.0	170	150	8.0
25...	1028	9	80513	80513	40.0	170	150	8.0
25...	1030	9	80513	80513	50.0	170	150	8.0
25...	1032	9	80513	80513	60.0	170	150	8.0
25...	1034	9	80513	80513	70.0	170	150	8.0
25...	1036	9	80513	80513	80.0	170	150	8.0
25...	1038	9	80513	80513	90.0	170	150	8.0
25...	1040	9	80513	80513	100	170	150	8.0
25...	1042	9	80513	80513	110	170	150	8.0
25...	1044	9	80513	80513	120	170	150	8.0
25...	1046	9	80513	80513	130	170	150	8.1
25...	1047	9	80513	80513	140	170	150	8.1
25...	1048	9	80513	80513	150	170	150	8.1
25...	1049	9	80513	80513	160	170	150	8.1
25...	1050	9	80513	80513	170	170	155	8.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
25...	1020	4.0	169	4.3	11.4	90	738
25...	1022	4.0	--	--	11.3	--	--
25...	1024	4.0	--	--	11.3	--	--
25...	1026	4.0	--	--	11.3	--	--
25...	1028	4.0	--	--	11.3	--	--
25...	1030	4.0	--	--	11.2	--	--
25...	1032	4.0	--	--	11.2	--	--
25...	1034	4.0	--	--	11.2	--	--
25...	1036	4.0	--	--	11.2	--	--
25...	1038	4.0	--	--	11.2	--	--
25...	1040	4.0	--		11.2	--	--
25...	1042	4.0	--	--	11.2	--	--
25...	1044	4.0	--	--	11.2	--	--
25...	1046	4.0	--	--	11.2	--	--
25...	1047	4.0	--	--	11.2	--	--
25...	1048	4.0	--	--	11.2	--	--
25...	1049	4.0	--	--	10.5	--	--
25...	1050	4.0	--	--	9.0	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)
FEB								
29...	1210	9	80513	80513	.00	165	137	7.7
29...	1212	9	80513	80513	10.0	165	137	7.7
29...	1214	9	80513	80513	20.0	165	137	7.7
29...	1216	9	80513	80513	30.0	165	137	7.7
29...	1218	9	80513	80513	40.0	165	137	7.7
29...	1220	9	80513	80513	50.0	165	137	7.7
29...	1222	9	80513	80513	60.0	165	138	7.7
29...	1224	9	80513	80513	70.0	165	138	7.7
29...	1226	9	80513	80513	80.0	165	138	7.7
29...	1228	9	80513	80513	90.0	165	138	7.7
29...	1230	9	80513	80513	100	165	138	7.7
29...	1232	9	80513	80513	110	165	138	7.7
29...	1234	9	80513	80513	120	165	138	7.7
29...	1236	9	80513	80513	130	165	138	7.7
29...	1237	9	80513	80513	140	165	138	7.7
29...	1238	9	80513	80513	150	165	138	7.7
29...	1239	9	80513	80513	160	165	138	7.8
29...	1240	9	80513	80513	165	165	140	7.8

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
FEB							
29...	1210	5.0	143	3.6	11.3	91	740
29...	1212	5.0	--	--	11.3	--	--
29...	1214	5.0	--	--	11.3	--	--
29...	1216	5.0	--	--	11.3	--	--
29...	1218	5.0	--	--	11.3	--	--
29...	1220	5.0	--	--	11.3	--	--
29...	1222	5.0	--	--	11.3	--	--
29...	1224	5.0	--	--	11.2	--	--
29...	1226	5.0	--	--	11.2	--	--
29...	1228	5.0	--	--	11.2	--	--
29...	1230	5.0	--	--	11.2	--	--
29...	1232	5.0	--	--	11.2	--	--
29...	1234	5.0	--	--	11.2	--	--
29...	1236	5.0	--	--	11.2	--	--
29...	1237	5.0	--	--	11.2	--	--
29...	1238	5.0	--	--	11.2	--	--
29...	1239	5.0	--	--	11.2	--	--
29...	1240	5.0	--	--	11.1	--	--

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)
MAR								
28...	0900	9	80513	80513	.00	173	141	7.8
28...	0902	9	80513	80513	10.0	173	141	7.8
28...	0904	9	80513	80513	20.0	173	141	7.8
28...	0906	9	80513	80513	30.0	173	141	7.8
28...	0908	9	80513	80513	40.0	173	141	7.8
28...	0910	9	80513	80513	50.0	173	141	7.8
28...	0912	9	80513	80513	60.0	173	141	7.8
28...	0914	9	80513	80513	70.0	173	141	7.8
28...	0916	9	80513	80513	80.0	173	141	7.8
28...	0918	9	80513	80513	90.0	173	141	7.8
28...	0920	9	80513	80513	100	173	141	7.9
28...	0922	9	80513	80513	110	173	141	7.9
28...	0924	9	80513	80513	120	173	140	7.8
28...	0926	9	80513	80513	130	173	140	7.8
28...	0928	9	80513	80513	140	173	140	7.7
28...	0930	9	80513	80513	150	173	140	7.7
28...	0932	9	80513	80513	160	173	140	7.7
28...	0934	9	80513	80513	170	173	140	7.7
28...	0935	9	80513	80513	173	173	141	7.7

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
MAR							
28...	0900	7.0	84.0	2.10	11.5	100	719
28...	0902	7.0	--	--	11.5	--	--
28...	0904	7.0	--	--	11.5	--	--
28...	0906	7.0	--	--	11.5	--	--
28...	0908	7.0	--	--	11.5	--	--
28...	0910	7.0	--	--	11.5	--	--
28...	0912	7.0	--	--	11.5	--	--
28...	0914	7.0	--	--	11.5	--	--
28...	0916	7.0	--	--	11.4	--	--
28...	0918	7.0	--	--	11.4	--	--
28...	0920	7.0	--	--	11.4	--	--
28...	0922	7.0	--	--	11.4	--	--
28...	0924	6.0	--	--	10.9	--	--
28...	0926	5.5	--	--	10.7	--	--
28...	0928	5.5	--	--	9.3	--	--
28...	0930	5.5	--	--	9.3	--	--
28...	0932	5.5	--	--	9.3	--	--
28...	0934	5.5	--	--	9.5	--	--
28...	0935	5.5	--	--	9.7	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
APR								
24...	1220	9	80513	80513	.00	190	124	8.3
24...	1222	9	80513	80513	10.0	190	124	8.2
24...	1224	9	80513	80513	20.0	190	124	8.3
24...	1226	9	80513	80513	30.0	190	125	8.4
24...	1228	9	80513	80513	40.0	190	125	8.4
24...	1230	9	80513	80513	50.0	190	125	8.4
24...	1232	9	80513	80513	56.0	190	124	8.4
24...	1234	9	80513	80513	60.0	190	123	8.3
24...	1236	9	80513	80513	70.0	190	123	8.3
24...	1238	9	80513	80513	80.0	190	123	8.3
24...	1240	9	80513	80513	90.0	190	123	8.3
24...	1242	9	80513	80513	100	190	123	8.3
24...	1244	9	80513	80513	110	190	123	8.2
24...	1246	9	80513	80513	120	190	123	8.2
24...	1248	9	80513	80513	130	190	123	8.2
24...	1250	9	80513	80513	140	190	122	8.2
24...	1252	9	80513	80513	150	190	122	8.1
24...	1254	9	80513	80513	160	190	122	8.1
24...	1256	9	80513	80513	170	190	122	8.1
24...	1258	9	80513	80513	180	190	122	8.1
24...	1300	9	80513	80513	190	190	123	8.0

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
APR							
24...	1220	11.5	235	6.0	10.3	99	729
24...	1222	11.0	--	--	10.3	--	--
24...	1224	11.0	--	--	10.4	--	--
24...	1226	10.5	--	--	10.6	--	--
24...	1228	10.5	--	--	10.7	--	--
24...	1230	10.0	--	--	10.8	--	--
24...	1232	9.0	--	--	11.1	--	--
24...	1234	8.5	--	--	11.1	--	--
24...	1236	8.0	--	--	11.1	--	--
24...	1238	7.5	--	--	11.1	--	--
24...	1240	7.0	--	--	11.1	--	--
24...	1242	7.0	--	--	11.1	--	--
24...	1244	6.5	--	--	11.0	--	--
24...	1246	6.5	--	--	10.9	--	--
24...	1248	6.5	--	--	10.9	--	--
24...	1250	6.0	--	--	10.8	--	--
24...	1252	6.0	--	--	10.5	--	--
24...	1254	5.5	--	--	10.4	--	--
24...	1256	5.5	--	--	10.4	--	--
24...	1258	5.5	--	--	10.3	--	--
24...	1300	5.5	--	--	10.1	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
MAY											
21...	1730	9	80513	80513	.00	188	131	8.7	21.5	21.5	276
21...	1731	9	80513	80010	3.00	188	--	--	--	--	--
21...	1732	9	80513	80513	10.0	188	132	8.6	--	21.0	--
21...	1734	9	80513	80513	13.0	188	132	8.6	--	20.0	--
21...	1736	9	80513	80513	15.0	188	132	8.6	--	19.0	--
21...	1738	9	80513	80513	20.0	188	132	8.7	--	18.0	--
21...	1740	9	80513	80010	25.0	188	131	8.7	--	17.0	--
21...	1742	9	80513	80513	27.0	188	131	8.7	--	16.0	--
21...	1744	9	80513	80513	30.0	188	131	8.7	--	15.0	--
21...	1746	9	80513	80513	37.0	188	133	8.6	--	14.0	--
21...	1748	9	80513	80513	40.0	188	133	8.5	--	13.5	--
21...	1750	9	80513	80513	50.0	188	133	8.5	--	13.0	--
21...	1752	9	80513	80513	60.0	188	133	8.4	--	12.0	--
21...	1754	9	80513	80513	70.0	188	133	8.3	--	11.0	--
21...	1756	9	80513	80513	80.0	188	132	8.3	--	10.0	--
21...	1758	9	80513	80513	90.0	188	132	8.2	--	9.0	--
21...	1800	9	80513	80010	100	188	132	8.2	--	8.0	--
21...	1802	9	80513	80513	110	188	131	8.2	--	7.5	--
21...	1804	9	80513	80513	120	188	131	8.1	--	7.0	--
21...	1806	9	80513	80513	130	188	131	8.1	--	6.5	--
21...	1808	9	80513	80513	140	188	131	8.1	--	6.0	--
21...	1810	9	80513	80513	150	188	131	8.1	--	6.0	--
21...	1812	9	80513	80513	160	188	131	8.0	--	6.0	--
21...	1814	9	80513	80513	170	188	131	8.0	--	6.0	--
21...	1816	9	80513	80513	180	188	131	8.0	--	6.0	--
21...	1820	9	80513	80513	188	188	132	7.8	--	5.5	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY											
21...	1730	7.0	8.6	102	729	--	--	--	0	--	--
21...	1731	--	--	--	729	--	--	--	--	--	.200
21...	1732	--	8.8	--	--	--	--	--	--	--	--
21...	1734	--	9.2	--	--	--	--	--	--	--	--
21...	1736	--	9.4	--	--	--	--	--	--	--	--
21...	1738	--	9.6	--	--	--	--	--	--	--	--
21...	1740	--	9.9	107	729	10	1.0	1.2	--	66	--
21...	1742	--	9.9	--	--	--	--	--	--	--	--
21...	1744	--	9.8	--	--	--	--	--	--	--	--
21...	1746	--	9.6	--	--	--	--	--	--	--	--
21...	1748	--	9.6	--	--	--	--	--	--	--	--
21...	1750	--	9.5	--	--	--	--	--	--	--	--
21...	1752	--	9.4	--	--	--	--	--	--	--	--
21...	1754	--	9.3	--	--	--	--	--	--	--	--
21...	1756	--	9.3	--	--	--	--	--	--	--	--
21...	1758	--	9.3	--	--	--	--	--	--	--	--
21...	1600	--	9.3	82	729	5	<1.0	.7	--	59	.200
21...	1802	--	9.4	--	--	--	--	--	--	--	--
21...	1804	--	9.4	--	--	--	--	--	--	--	--
21...	1806	--	9.4	--	--	--	--	--	--	--	--
21...	1808	--	9.3	--	--	--	--	--	--	--	--
21...	1810	--	9.2	--	--	--	--	--	--	--	--
21...	1812	--	9.0	--	--	--	--	--	--	--	--
21...	1814	--	9.0	--	--	--	--	--	--	--	--
21...	1816	--	8.9	--	--	--	--	--	--	--	--
21...	1820	--	8.8	--	--	--	--	--	--	--	--

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
MAY										
21...	1731	.050	.45	.50	.70	<.010	<.010	--	--	--
21...	1740	--	--	--	--	--	--	20	<1	<10
21...	1800	.020	1.7	1.7	1.9	<.010	<.010	30	<1	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
21...	1731	--	--	--	--	--	--	--	<.100	<.100
21...	1740	2	80	<1	30	<.1	3	20	--	--
21...	1800	4	70	<1	20	<.1	2	30	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JUN								
26...	1620	9	80513	80513	.00	179	135	8.6
26...	1622	9	80513	80513	10.0	179	138	8.4
26...	1624	9	80513	80513	20.0	179	138	8.6
26...	1626	9	80513	80513	22.0	179	139	8.7
26...	1628	9	80513	80513	23.0	179	141	8.8
26...	1630	9	80513	80513	24.0	179	142	8.9
26...	1632	9	80513	80513	26.0	179	142	8.9
26...	1634	9	80513	80513	28.0	179	143	8.9
26...	1636	9	80513	80513	30.0	179	143	8.9
26...	1638	9	80513	80513	32.0	179	143	8.7
26...	1640	9	80513	80513	34.0	179	144	8.7
26...	1642	9	80513	80513	36.0	179	144	8.6
26...	1644	9	80513	80513	38.0	179	144	8.4
26...	1646	9	80513	80513	40.0	179	144	8.3
26...	1648	9	80513	80513	43.0	179	144	8.2
26...	1650	9	80513	80513	47.0	179	143	8.1
26...	1652	9	80513	80513	50.0	179	143	8.1
26...	1654	9	80513	80513	60.0	179	143	8.0
26...	1656	9	80513	80513	70.0	179	143	7.9
26...	1658	9	80513	80513	80.0	179	143	7.8
26...	1700	9	80513	80513	90.0	179	143	7.8
26...	1702	9	80513	80513	100	179	142	7.8
26...	1704	9	80513	80513	110	179	140	7.8
26...	1706	9	80513	80513	120	179	140	7.7
26...	1708	9	80513	80513	130	179	140	7.7
26...	1710	9	80513	80513	140	179	140	7.6
26...	1712	9	80513	80513	150	179	140	7.5
26...	1714	9	80513	80513	160	179	141	7.5
26...	1716	9	80513	80513	170	179	141	7.5
26...	1720	9	80513	80513	179	179	142	7.6

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
26...	1620	26.5	173	4.4	7.9	103	732
26...	1622	26.5	--	--	7.8	--	--
26...	1624	26.0	--	--	8.2	--	--
26...	1626	25.0	--	--	8.9	--	--
26...	1628	24.0	--	--	10.5	--	--
26...	1630	23.0	--	--	11.2	--	--
26...	1632	22.0	--	--	11.2	--	--
26...	1634	21.0	--	--	11.1	--	--
26...	1636	20.5	--	--	10.6	--	--
26...	1638	19.5	--	--	10.4	--	--
26...	1640	18.5	--	--	10.3	--	--
26...	1642	17.5	--	--	10.2	--	--
26...	1644	16.5	--	--	9.7	--	--
26...	1646	16.0	--	--	9.4	--	--
26...	1648	15.0	--	--	9.1	--	--
26...	1650	14.0	--	--	8.8	--	--
26...	1652	13.5	--	--	8.7	--	--
26...	1654	12.5	--	--	8.4	--	--
26...	1656	12.0	--	--	8.2	--	--
26...	1658	11.0	--	--	8.1	--	--
26...	1700	10.0	--	--	8.0	--	--
26...	1702	9.0	--	--	8.1	--	--
26...	1704	8.5	--	--	8.4	--	--
26...	1706	8.0	--	--	8.4	--	--
26...	1708	7.0	--	--	8.1	--	--
26...	1710	6.5	--	--	7.6	--	--
26...	1712	6.5	--	--	7.6	--	--
26...	1714	6.0	--	--	7.6	--	--
26...	1716	6.0	--	--	7.5	--	--
26...	1720	6.0	--	--	7.5	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
17...	1235	9	80513	80513	.00	185	128	8.7	28.5	224
17...	1236	9	80513	80010	3.00	185	129	8.7	28.5	--
17...	1238	9	80513	80513	10.0	185	132	8.7	28.0	--
17...	1240	9	80513	80513	20.0	185	132	8.7	27.5	--
17...	1242	9	80513	80513	22.0	185	131	8.8	26.5	--
17...	1244	9	80513	80513	24.0	185	131	8.8	25.5	--
17...	1246	9	80513	80513	25.0	185	130	8.9	24.5	--
17...	1248	9	80513	80513	26.0	185	130	8.9	23.0	--
17...	1250	9	80513	80513	27.0	185	129	9.0	22.0	--
17...	1252	9	80513	80513	28.0	185	129	9.0	21.0	--
17...	1254	9	80513	80513	30.0	185	129	8.9	20.0	--
17...	1256	9	80513	80513	32.0	185	130	8.8	19.0	--
17...	1258	9	80513	80513	34.0	185	131	8.6	18.0	--
17...	1300	9	80513	80513	37.0	185	132	8.4	17.0	--
17...	1302	9	80513	80513	40.0	185	132	8.2	16.0	--
17...	1304	9	80513	80513	43.0	185	131	8.1	15.0	--
17...	1306	9	80513	80513	47.0	185	131	8.0	14.0	--
17...	1308	9	80513	80513	50.0	185	131	8.0	13.5	--
17...	1310	9	80513	80513	60.0	185	130	7.9	12.5	--
17...	1312	9	80513	80513	70.0	185	130	7.9	11.5	--
17...	1314	9	80513	80513	80.0	185	130	7.8	10.5	--
17...	1316	9	80513	80513	90.0	185	130	7.8	9.5	--
17...	1318	9	80513	80513	100	185	130	7.8	9.0	--
17...	1320	9	80513	80513	110	185	128	7.7	8.0	--
17...	1322	9	80513	80513	120	185	128	7.7	7.5	--
17...	1324	9	80513	80513	130	185	128	7.7	7.0	--
17...	1326	9	80513	80513	140	185	128	7.7	6.5	--
17...	1328	9	80513	80513	150	185	128	7.6	6.5	--
17...	1330	9	80513	80513	160	185	128	7.6	6.0	--
17...	1332	9	80513	80513	170	185	128	7.6	6.0	--
17...	1334	9	80513	80513	180	185	129	7.6	6.0	--
17...	1335	9	80513	80513	185	185	130	7.6	6.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL									
17...	1235	5.7	7.2	97	733	--	--	--	--
17...	1236	--	7.2	97	733	<.010	<.010	.600	<.100
17...	1238	--	7.2	--	--	--	--	--	--
17...	1240	--	7.3	--	--	--	--	--	--
17...	1242	--	7.6	--	--	--	--	--	--
17...	1244	--	8.4	--	--	--	--	--	--
17...	1246	--	8.7	--	--	--	--	--	--
17...	1248	--	9.9	--	--	--	--	--	--
17...	1250	--	10.4	--	--	--	--	--	--
17...	1252	--	10.4	--	--	--	--	--	--
17...	1254	--	10.3	--	--	--	--	--	--
17...	1256	--	9.6	--	--	--	--	--	--
17...	1258	--	9.1	--	--	--	--	--	--
17...	1300	--	8.6	--	--	--	--	--	--
17...	1302	--	7.8	--	--	--	--	--	--
17...	1304	--	7.5	--	--	--	--	--	--
17...	1306	--	7.5	--	--	--	--	--	--
17...	1308	--	7.5	--	--	--	--	--	--
17...	1310	--	7.4	--	--	--	--	--	--
17...	1312	--	7.3	--	--	--	--	--	--
17...	1314	--	7.2	--	--	--	--	--	--
17...	1316	--	7.2	--	--	--	--	--	--
17...	1318	--	7.2	--	--	--	--	--	--
17...	1320	--	7.3	--	--	--	--	--	--
17...	1322	--	7.3	--	--	--	--	--	--
17...	1324	--	7.1	--	--	--	--	--	--
17...	1326	--	6.9	--	--	--	--	--	--
17...	1328	--	6.7	--	--	--	--	--	--
17...	1330	--	6.5	--	--	--	--	--	--
17...	1332	--	6.1	--	--	--	--	--	--
17...	1334	--	6.0	--	--	--	--	--	--
17...	1335	--	5.8	--	--	--	--	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
AUG										
14...	0900	9	80513	80513	.00	188	140	9.0	24.0	26.5
14...	0901	9	80513	80010	3.00	188	--	--	--	--
14...	0902	9	80513	80513	10.0	188	140	8.9	--	26.5
14...	0904	9	80513	80513	20.0	188	140	8.9	--	26.5
14...	0905	9	80513	80010	25.0	188	140	8.4	--	26.5
14...	0908	9	80513	80513	26.0	188	139	8.9	--	25.0
14...	0910	9	80513	80513	27.0	188	138	8.8	--	23.5
14...	0912	9	80513	80513	28.0	189	139	8.8	--	22.5
14...	0914	9	80513	80513	30.0	188	138	8.7	--	21.5
14...	0916	9	80513	80513	32.0	188	138	8.5	--	20.5
14...	0918	9	80513	80513	34.0	188	139	8.3	--	19.5
14...	0920	9	80513	80513	36.0	188	139	8.2	--	18.5
14...	0922	9	80513	80513	38.0	188	138	8.1	--	17.5
14...	0924	9	80513	80513	40.0	188	138	8.0	--	16.5
14...	0926	9	80513	80513	43.0	188	138	8.0	--	15.5
14...	0928	9	80513	80513	47.0	188	138	7.9	--	14.5
14...	0930	9	80513	80513	50.0	188	138	7.9	--	14.0
14...	0932	9	80513	80513	60.0	188	138	7.8	--	13.0
14...	0934	9	80513	80513	70.0	188	138	7.8	--	12.0
14...	0936	9	80513	80513	80.0	188	138	7.7	--	11.5
14...	0938	9	80513	80513	90.0	188	137	7.7	--	10.5
14...	0940	9	80513	80010	100	188	136	7.7	--	9.5
14...	0942	9	80513	80513	110	188	135	7.6	--	9.0
14...	0944	9	80513	80513	120	188	135	7.6	--	8.0
14...	0946	9	80513	80513	130	188	135	7.6	--	7.5
14...	0948	9	80513	80513	140	188	135	7.6	--	7.5
14...	0950	9	80513	80513	150	188	135	7.5	--	7.0
14...	0952	9	80513	80513	160	188	136	7.5	--	7.0
14...	0954	9	80513	80513	170	188	137	7.5	--	7.0
14...	0956	9	80513	80513	180	188	139	7.5	--	7.0
14...	1000	9	80513	80513	188	188	140	7.5	--	7.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
AUG										
14...	0900	240	6.1	8.1	104	737	--	--	--	0
14...	0901	--	--	--	--	737	--	--	--	--
14...	0902	--	--	8.4	--	--	--	--	--	--
14...	0904	--	--	8.5	--	--	--	--	--	--
14...	0905	--	--	8.5	110	737	2	.20	1.1	--
14...	0908	--	--	8.4	--	--	--	--	--	--
14...	0910	--	--	9.2	--	--	--	--	--	--
14...	0912	--	--	9.3	--	--	--	--	--	--
14...	0914	--	--	9.2	--	--	--	--	--	--
14...	0916	--	--	8.3	--	--	--	--	--	--
14...	0918	--	--	7.9	--	--	--	--	--	--
14...	0920	--	--	7.2	--	--	--	--	--	--
14...	0922	--	--	6.7	--	--	--	--	--	--
14...	0924	--	--	6.7	--	--	--	--	--	--
14...	0926	--	--	6.9	--	--	--	--	--	--
14...	0928	--	--	6.8	--	--	--	--	--	--
14...	0930	--	--	6.8	--	--	--	--	--	--
14...	0932	--	--	6.3	--	--	--	--	--	--
14...	0934	--	--	6.0	--	--	--	--	--	--
14...	0936	--	--	5.9	--	--	--	--	--	--
14...	0938	--	--	6.0	--	--	--	--	--	--
14...	0940	--	--	6.0	54	737	2	1.0	1.1	--
14...	0942	--	--	5.9	--	--	--	--	--	--
14...	0944	--	--	5.8	--	--	--	--	--	--
14...	0946	--	--	5.5	--	--	--	--	--	--
14...	0948	--	--	5.4	--	--	--	--	--	--
14...	0950	--	-	5.0	--	--	--	--	--	--
14...	0952	--	--	4.7	--	--	--	--	--	--
14...	0954	--	--	4.2	--	--	--	--	--	--
14...	0956	--	--	3.7	--	--	--	--	--	--
14...	1000	--	--	3.6	--	--	--	--	--	--

BEST COPY AVAILABLE

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ALKA- LINITY FIELD (MG/L AS CACO3) (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
AUG									
14...	0905	46	<.100	<.010	<.010	30	<1	10	1
14...	0940	54	.300	<.010	.010	10	<1	<10	2

DATE	TIME	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
AUG									
14...	0901	--	--	--	--	--	--	1.00	<.100
14...	0905	210	6	20	<.1	<1	10	--	--
14...	0940	230	5	10	.2	7	10	--	--

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)
SEP										
18...	1430	9	80513	80513	.00	188	136	8.6	23.5	224
18...	1431	9	80513	80010	3.00	188	136	8.6	23.5	--
18...	1432	9	80513	80513	10.0	188	135	8.6	23.0	--
18...	1434	9	80513	80513	20.0	188	135	8.8	23.0	--
18...	1436	9	80513	80513	30.0	188	135	8.8	23.0	--
18...	1438	9	80513	80513	34.0	188	134	8.3	22.0	--
18...	1440	9	80513	80513	35.0	188	133	8.1	20.5	--
18...	1442	9	80513	80513	36.0	188	133	8.0	19.5	--
18...	1444	9	80513	80513	37.0	188	132	8.0	18.5	--
18...	1446	9	80513	80513	40.0	183	132	7.9	17.5	--
18...	1448	9	80513	80513	42.0	188	132	7.9	16.5	--
18...	1450	9	80513	80513	45.0	188	132	7.8	15.5	--
18...	1452	9	80513	80513	50.0	188	132	7.8	14.5	--
18...	1454	9	80513	80513	55.0	188	132	7.8	13.5	--
18...	1456	9	80513	80513	60.0	188	132	7.7	13.0	--
18...	1458	9	80513	80513	70.0	188	132	7.7	12.0	--
18...	1500	9	80513	80513	80.0	188	131	7.7	11.5	--
18...	1502	9	80513	80513	90.0	188	131	7.7	10.5	--
18...	1504	9	80513	80513	100	188	130	7.7	10.0	--
18...	1506	9	80513	80513	110	188	130	7.7	9.5	--
18...	1508	9	80513	80513	120	188	130	7.6	8.5	--
18...	1510	9	80513	80513	130	188	130	7.6	8.0	--
18...	1512	9	80513	80513	140	188	130	7.6	7.5	--
18...	1514	9	80513	80513	150	188	131	7.6	7.0	--
18...	1516	9	80513	80513	160	188	132	7.6	7.0	--
18...	1518	9	80513	80513	170	188	134	7.6	7.0	--
18...	1519	9	80513	80513	180	188	136	7.5	7.0	--
18...	1520	9	80513	80513	188	188	143	7.5	7.0	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP									
18...	1430	5.7	7.5	91	740	--	--	--	--
18...	1431	--	7.5	91	740	<.010	<.010	.300	<.100
18...	1432	--	7.5	--	--	--	--	--	--
18...	1434	--	7.4	--	--	--	--	--	--
18...	1436	--	7.4	--	--	--	--	--	--
18...	1438	--	6.4	--	--	--	--	--	--
18...	1440	--	6.0	--	--	--	--	--	--
18...	1442	--	5.8	--	--	--	--	--	--
18...	1444	--	5.7	--	--	--	--	--	--
18...	1446	--	5.6	--	--	--	--	--	--
18...	1448	--	5.6	--	--	--	--	--	--
18...	1450	--	5.5	--	--	--	--	--	--
18...	1452	--	5.4	--	--	--	--	--	--
18...	1454	--	4.9	--	--	--	--	--	--
18...	1456	--	4.4	--	--	--	--	--	--
18...	1458	--	4.1	--	--	--	--	--	--
18...	1500	--	4.3	--	--	--	--	--	--
18...	1502	--	4.5	--	--	--	--	--	--
18...	1504	--	4.4	--	--	--	--	--	--
18...	1506	--	4.3	--	--	--	--	--	--
18...	1508	--	4.0	--	--	--	--	--	--
18...	1510	--	3.7	--	--	--	--	--	--
18...	1512	--	3.4	--	--	--	--	--	--
18...	1514	--	2.7	--	--	--	--	--	--
18...	1516	--	2.2	--	--	--	--	--	--
18...	1518	--	1.5	--	--	--	--	--	--
18...	1519	--	1.2	--	--	--	--	--	--
18...	1520	--	.3	--	--	--	--	--	--

07049691 WHITE RIVER AT BEAVER DAM, NEAR EUREKA SPRINGS, AR

LOCATION.--Lat 36°25'15", long 93°50'50", in NW 1/4 NW 1/4 sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at Beaver Dam, 6.0 mi west of Eureka Springs, and at mile 609.0.

DRAINAGE AREA.--1,192 mi^2.

PERIOD OF RECORD.--Water years 1946, 1950-53, October 1967 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 20...	1050	9	80513	80513	2330	128	7.4	11.0	2.7
NOV 14...	1125	9	80513	80513	20	138	7.7	10.0	8.0

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
DEC 07...	0800	9	80513	80010	1120	135	6.7	3.0	9.0	6.3

DATE	TIME	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)
DEC 07...	0800	56	740	5	3.4	1.8	75	64	5	5

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC 07...	0800	22	55	2.1	1.6	59	7.0	7.4	.300

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
DEC 07...	0800	.050	3.2	3.2	3.5	.010	<.010	90	1

DATE	TIME	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
DEC 07...	0800	10	1	240	4	330	<.1	2	20

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 25...	1000	9	80513	80513	20	150	8.2	3.5	12.8
FEB 29...	1140	9	80513	80513	440	143	7.6	6.0	12.1
MAR 28...	0840	9	80513	80513	4650	142	7.6	6.5	11.4
APR 24...	1200	9	80513	80513	230	121	8.0	8.5	10.9

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY 21...	1830	9	80513	80010	3950	132	8.1	20.0	8.0	9.0

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY 21...	1830	79	730	5	1.0	1.1	8	69	1.50

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 21...	1830	.060	.24	.30	1.8	<.010	<.010	40	<1

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 21...	1830	10	2	100	<1	10	<.1	3	20

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 26...	1600	9	80513	80513	2230	136	7.5	10.5	8.0
JUL 17...	1200	9	80513	80513	1090	126	7.8	10.5	8.8

BEST COPY [illegible]

07049691 WHITE RIVER AT BEAVER DAM NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG 14...	0820	9	80513	80010	870	157	7.2	16.5	9.5	9.0	81

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
AUG 14...	0820	742	1	.40	1.2	0	72	.200	<.010	.010	30

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 14...	0820	<1	10	2	250	6	20	.1	2	20

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 18...	1400	9	80513	80513	1100	130	7.6	10.5	5.0

BEST COPY AVAILABLE

07050390 OSAGE CREEK SOUTHWEST OF BERRYVILLE, AR

LOCATION.--Lat 36°20'56", long 93°35'24", in SE 1/4 SW 1/4 sec.36, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 221 at McKennon Ford, and 1.0 mi southwest of Berryville, Ark.

PERIOD OF RECORD.--November 1983 to September 1984

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
NOV, 1983											
21...	1035	9	9827	9827	7.9	22.0	11.0	6.0	9.4	9	1.7
JAN, 1984											
24...	1120	9	9827	9827	7.9	7.0	1.0	2.0	13.9	2	1.2
FEB											
07...	1036	9	9827	9827	7.9	18.0	2.0	1.0	13.3	5	1.2
MAR											
06...	1035	9	9827	9827	7.5	15.0	7.0	25	11.1	16	3.1
20...	1020	9	9827	9827	7.8	14.0	7.0	20	11.1	<1	1.2
APR											
17...	1030	9	9827	9827	8.0	18.0	12.0	3.0	11.7	5	.7
MAY											
15...	1340	9	9827	9827	8.0	22.0	18.0	4.0	10.5	5	1.3
JUN											
12...	1100	9	9827	9827	7.7	33.0	25.0	5.0	6.5	5	.9
JUL											
24...	0850	9	9827	9827	7.8	24.0	24.0	6.4	5.6	5	.8
AUG											
21...	0900	9	9827	9827	7.8	29.0	25.0	7.0	6.2	8	3.0
SEP											
18...	0920	9	9827	9827	7.9	21.0	18.0	7.0	6.8	10	2.2

DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV, 1983										
21...	1035	450	11	8.0	207	.28	6	1.3	<.010	--
JAN, 1984										
24...	1120	8	10	7.5	165	.22	2	.84	<.010	--
FEB										
07...	1036	<4	12	7.0	172	.23	3	.57	<.010	--
MAR										
06...	1035	210	6.0	3.5	111	.15	18	1.2	.060	.64
20...	1020	580	6.0	3.0	101	.14	8	.81	.060	.04
APR										
17...	1030	<10	5.0	4.0	125	.17	4	.73	.030	--
MAY										
15...	1340	310	11	2.0	126	.17	4	.32	<.010	--
JUN										
12...	1100	76	6.0	9.5	152	.21	11	.42	.050	.05
JUL										
24...	0850	200	8.0	6.0	180	.24	12	.30	.040	--
AUG										
21...	0900	64	5.0	6.0	174	.24	17	.12	.060	--
SEP										
18...	0920	48	5.0	4.5	202	.27	10	.37	.010	.09

07050390 OSAGE CREEK SOUTHWEST OF BERRYVILLE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
NOV, 1983										
21...	1035	.20	1.5	6.6	.030	.010	0	<1	12	6
JAN, 1984										
24...	1120	<.10	--	--	.020	.020	0	<1	17	13
FEB										
07...	1036	.50	1.1	4.7	.010	.020	0	<1	20	9
MAR										
06...	1035	.70	1.9	8.4	.120	--	0	<1	<10	13
20...	1020	.10	.91	4.0	--	.030	--	<1	<10	8
APR										
17...	1030	--	--	--	.030	.010	--	<1	13	6
MAY										
15...	1340	.10	.42	1.9	.030	<.010	0	<1	18	15
JUN										
12...	1100	.10	.52	2.3	--	.020	--	<1	10	5
JUL										
24...	0850	<.10	--	--	.060	.020	0	<1	--	10
AUG										
21...	0900	--	--	--	.060	.010	0	<1	13	5
SEP										
18...	0920	.10	.47	2.1	.050	.010	--	1	<10	<1

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983										
21...	1035	30	--	--	--	--	--	--	--	--
JAN, 1984										
24...	1120	40	--	--	--	--	--	--	--	--
FEB										
07...	1036	60	--	--	--	--	--	--	--	--
MAR										
06...	1035	40	--	--	--	--	--	--	--	--
20...	1020	50	--	--	--	--	--	--	--	--
APR										
17...	1030	30	--	--	--	--	--	--	--	--
JUN										
12...	1100	20	--	--	--	--	--	--	--	--
JUL										
24...	0850	40	--	--	--	--	--	--	--	--
AUG										
21...	0900	30	.000	.000	.000	.000	.000	.00	<.01	.0
SEP										
18...	0920	0	--	--	--	--	--	--	--	--

07050420 OSAGE CREEK WEST OF BERRYVILLE, AR

LOCATION.--Lat 36°21'50", long 93°36'26", in SE 1/4 SW 1/4 sec.26, T.20 W., R.25 W., Carroll County, Hydrologic Unit 11010001, at north end of spur road off Highway 221, and 0.6 mi southwest of waterworks.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
NOV, 1983											
21...	1100	9	9827	9827	7.9	18.0	11.0	6.0	9.1	13	2.2
JAN, 1984											
24...	1145	9	9827	9827	7.8	7.0	1.0	1.8	13.1	7	2.9
FEB											
07...	1100	9	9827	9827	7.7	12.0	2.0	2.0	11.9	9	4.3
MAR											
06...	1110	9	9827	9827	7.5	9.0	7.0	25	11.1	15	4.2
20...	1030	9	9827	9827	7.7	12.0	8.0	15	10.8	<1	1.6
APR											
17...	1050	9	9827	9827	7.9	17.0	12.0	3.0	10.9	5	1.8
MAY											
15...	1400	9	9827	9827	7.9	20.0	19.0	4.0	10.1	8	3.0
JUN											
12...	1120	9	9827	9827	7.6	30.0	25.0	3.3	6.0	4	3.9
JUL											
24...	0915	9	9827	9827	7.6	24.0	25.0	4.0	5.1	<1	--
AUG											
21...	0925	9	9827	9827	7.6	27.0	25.0	4.0	5.0	24	--
SEP											
18...	0940	9	9827	9827	7.7	18.0	18.0	4.0	4.7	22	3.6

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV, 1983										
21...	1100	340	13	11	215	.29	6	1.5	.020	.38
JAN, 1984										
24...	1145	240	15	12	182	.25	2	1.0	.860	-.66
FEB										
07...	1100	1400	20	12	196	.27	2	.73	1.10	.60
MAR										
06...	1110	670	6.0	4.0	117	.16	32	1.4	.080	.72
20...	1030	>240	6.0	4.0	112	.15	10	1.0	.110	.09
APR										
17...	1050	8	6.0	4.5	135	.18	3	.90	.130	--
MAY										
15...	1400	720	15	5.0	143	.19	5	.50	.510	.09
JUN										
12...	1120	48	12	8.0	154	.21	11	.87	.520	-.42
JUL										
24...	0915	>600	29	16	220	.30	10	2.0	1.90	-1.8
AUG										
21...	0925	44	40	20	243	.33	9	2.3	1.80	--
SEP										
18...	0940	88	47	34	307	.42	10	2.3	1.75	-.95

BEST COPY [illegible]

07050420 OSAGE CREEK WEST OF BERRYVILLE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
NOV, 1983 21...	1100	.40	1.9	8.4	.100	.060	0	<1	<10	3
JAN, 1984 24...	1145	.20	1.2	5.3	.380	.340	0	<1	<10	<1
FEB 07...	1100	1.7	2.4	11	.650	.620	0	<1	<10	<1
MAR 06...	1110	.80	2.2	9.7	.130	--	0	<1	<10	1
20...	1030	.20	1.2	5.3	--	.040	--	<1	<10	<1
APR 17...	1050	--	--	--	.060	.040	--	<1	<10	<1
MAY 15...	1400	.60	1.1	4.9	.160	.070	0	<1	<10	<1
JUN 12...	1120	.10	.97	4.3	--	.200	--	<1	<10	<1
JUL 24...	0915	.10	2.1	9.3	.810	.670	0	<1	--	1
AUG 21...	0925	--	--	--	.790	.650	1	1	<10	<1
SEP 18...	0940	.80	3.1	14	1.35	1.20	--	1	<10	<1

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983 21...	1100	0	--	--	--	--	--	--	--	--
JAN, 1984 24...	1145	0	--	--	--	--	--	--	--	--
FEB 07...	1100	20	--	--	--	--	--	--	--	--
MAR 06...	1110	0	--	--	--	--	--	--	--	--
20...	1030	0	--	--	--	--	--	--	--	--
APR 17...	1050	0	--	--	--	--	--	--	--	--
JUN 12...	1120	0	--	--	--	--	--	--	--	--
JUL 24...	0915	0	--	--	--	--	--	--	--	--
AUG 21...	0925	0	.000	.000	.000	.000	.000	.00	<.01	.0
SEP 18...	0940	0	--	--	--	--	--	--	--	--

07050500 KINGS RIVER NEAR BERRYVILLE, AR

LOCATION.--Lat 36°25'36", long 93°37'15", in SE 1/4 NE 1/4 sec.3, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, on right bank at downstream side of bridge on State Highway 143, 1.5 mi downstream from Bee Creek, 2.5 mi upstream from Clabber Creek, 5.3 mi northwest of Berryville, and at mile 35.1.

DRAINAGE AREA.--527 mi^2.

PERIOD OF RECORD.--October 1953 to September 1960, October 1971 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1983											
11...	1620	9	9827	9827	13	8.2	22.5	20.0	4.0	9.6	11
NOV											
21...	1000	9	9827	9827	310	7.8	24.0	11.0	4.0	10.0	9
JAN, 1984											
24...	1030	9	9827	9827	103	7.9	7.0	1.0	1.0	14.5	1
FEB											
07...	0950	9	9827	9827	90	8.0	13.0	2.0	1.0	14.8	3
MAR											
06...	1000	9	9827	9827	3600	7.5	14.0	7.0	30	11.1	12
20...	0945	9	9827	9827	2350	7.7	7.0	8.0	15	10.9	3
APR											
17...	0950	9	9827	9827	630	7.9	22.0	12.0	2.0	11.1	1
MAY											
15...	1300	9	9827	9827	490	7.9	22.0	18.0	2.0	9.6	4
JUN											
12...	1015	9	9827	9827	136	7.8	37.0	26.0	2.3	8.0	5
JUL											
24...	0815	9	9827	9827	33	7.8	27.0	25.0	3.4	6.9	5
AUG											
21...	0825	9	9827	9827	15	8.2	27.0	25.0	5.0	6.2	9
SEP											
18...	0840	9	9827	9827	9.0	7.9	14.0	19.0	5.0	7.7	8

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1983											
11...	1620	2.7	28	19	14	197	.27	8	.13	.020	--
NOV											
21...	1000	2.1	750	8.0	5.0	179	.24	4	.49	<.010	--
JAN, 1984											
24...	1030	.9	<4	10	7.5	177	.24	1	1.0	.020	--
FEB											
07...	0950	1.6	<4	11	6.0	160	.22	2	.57	.040	3.7
MAR											
06...	1000	2.9	280	6.0	3.0	104	.14	38	1.1	.070	.63
20...	0945	1.4	500	6.0	3.0	104	.14	15	.64	.060	.24
APR											
17...	0950	.5	70	5.0	3.0	124	.17	3	.62	.040	--
MAY											
15...	1300	1.3	180	15	2.5	123	.17	3	.34	<.010	--
JUN											
12...	1015	3.4	4	7.0	3.5	128	.17	--	.30	.050	.05
JUL											
24...	0815	1.8	20	11	5.0	152	.21	8	.16	.010	--
AUG											
21...	0825	3.6	28	19	9.5	181	.25	8	.13	.020	--
SEP											
18...	0840	1.4	60	23	13	210	.29	7	.07	.020	.08

07050500 KINGS RIVER NEAR BERRYVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT , 1983											
11...	1620	<.10	--	--	.150	.100	--	0	<1	10	<1
NOV											
21...	1000	<.10	--	--	.070	.020	<5	0	<1	<10	3
JAN , 1984											
24...	1030	--	--	--	.070	.080	--	0	<1	<10	<1
FEB											
07...	0950	3.7	4.3	19	.120	.120	<5	0	<1	<10	<1
MAR											
06...	1000	.70	1.8	8.0	.100	--	--	0	1	<10	1
20...	0945	.30	.94	4.2	--	.010	--	--	<1	<10	<1
APR											
17...	0950	--	--	--	.040	.010	<5	--	1	<10	<1
MAY											
15...	1300	.10	.44	1.9	.040	<.010	--	0	<1	<10	<1
JUN											
12...	1015	.10	.40	1.8	--	.030	--	--	<1	<10	<1
JUL											
24...	0815	<.10	--	--	.080	.050	--	0	<1	--	<1
AUG											
21...	0825	--	--	--	.130	.080	<5	0	4	<10	<1
SEP											
18...	0840	.10	.17	.75	.090	.060	--	--	3	<10	<1

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
OCT, 1983											
11...	1620	--	0	--	--	--	--	--	--	--	--
NOV											
21...	1000	<5	0	--	--	--	--	--	--	--	--
DEC											
14...	1515	--	0	--	--	--	--	--	--	--	--
JAN, 1984											
24...	1030	--	0	--	--	--	--	--	--	--	--
FEB											
07...	0950	<5	10	--	--	--	--	--	--	--	--
MAR											
06...	1000	--	0	--	--	--	--	--	--	--	--
20...	0945	--	10	--	--	--	--	--	--	--	--
APR											
17...	0950	<5	0	--	--	--	--	--	--	--	--
MAY											
10...	1615	--	0	--	--	--	--	--	--	--	--
15...	1300	--	0	--	--	--	--	--	--	--	--
JUN											
12...	1015	--	0	--	--	--	--	--	--	--	--
JUL											
24...	0815	--	10	.000	.000	.000	.000	.000	.00	<.01	.0
AUG											
21...	0825	<5	0	--	--	--	--	--	--	--	--

07053230 LONG CREEK NEAR DENVER, AR

LOCATION.--Lat 36°25'46", long 93°18'22", in Se 1/4 SW 1/4 sec.34, T.21 N., R.22 W., Carroll County, Hydrologic Unit 11010001, on low-water bridge on county road off State Highway 311, 2.7 mi north of Denver.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983 21...	1200	9	9827	9827	7.9	19.0	12.0	2.0	11.1
JAN, 1984 24...	1250	9	9827	9827	8.1	7.0	7.0	1.2	14.8
FEB 07...	1156	9	9827	9827	8.0	14.0	5.0	1.0	14.1
MAR 06...	1215	9	9827	9827	7.5	11.0	10.0	25	10.7
20...	1145	9	9827	9827	7.7	15.0	10.0	20	10.8
APR 17...	1200	9	9827	9827	8.1	16.0	8.0	2.0	12.5
MAY 15...	1450	9	9827	9827	8.1	22.0	18.0	2.0	12.1
JUN 12...	1215	9	9827	9827	7.8	30.0	28.0	3.0	9.2
JUL 24...	1000	9	9827	9827	7.9	26.0	23.0	2.8	8.2
AUG 21...	1025	9	9827	9827	7.8	28.0	24.0	3.0	8.1
SEP 18...	1020	9	9827	9827	8.0	19.0	18.0	3.0	8.7

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/I) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983 21...	1200	1.5	180	8.0	11	201	.27	4	1.1
JAN, 1984 24...	1250	1.0	8	12	14	186	.25	2	2.0
FEB 07...	1156	1.2	10	16	10	186	.25	2	4.7
MAR 06...	1215	2.6	240	7.0	5.0	135	.18	51	2.2
20...	1145	1.6	350	7.0	4.0	127	.17	18	1.7
APR 17...	1200	.6	<10	6.0	5.0	161	.22	2	1.6
MAY 15...	1450	1.2	180	12	3.5	167	.23	2	1.3
JUN 12...	1215	1.4	100	5.0	6.5	189	.26	8	1.4
JUL 24...	1000	1.6	60	6.0	8.5	194	.26	4	1.3
AUG 21...	1025	2.3	84	6.0	11	189	.26	6	.95
SEP 18...	1020	1.2	110	5.0	10	209	.28	4	1.1

07053230 LONG CREEK NEAR DENVER, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
21...	1200	<.010	.030	.010	0	<1	<10	2	0
JAN, 1984									
24...	1250	<.010	.020	.010	0	<1	10	<1	0
FEB									
07...	1156	.010	.020	.030	0	<1	<10	<1	20
MAR									
06...	1215	.070	.130	--	0	<1	<10	1	0
20...	1145	.100	--	.050	--	<1	21	<1	0
APR									
17...	1200	.030	.030	.010	--	<1	<10	<1	0
MAY									
15...	1450	<.010	.040	.010	0	<1	<10	<1	--
JUN									
12...	1215	.030	--	.050	--	<1	13	2	0
JUL									
24...	1000	.020	.050	.040	0	<1	--	<1	0
AUG									
21...	1025	.030	.040	.010	0	<1	<10	<1	0
SEP									
18...	1020	.070	.030	.020	--	<1	<10	<1	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
21...	1025	.000	.000	.000	.000	.000	.00	<.01	.0

07053400 TABLE ROCK LAKE NEAR BRANSON, MO

LOCATION.--Lat 36°35'46", long 93°18'35", in NW 1/4 sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi upstream from Fall Creek, and 6.1 mi southwest of Branson.

DRAINAGE AREA.--4,020 mi^2.

PERIOD OF RECORD.--December 1973 to current year.

COOPERATION.--Records prior to October 1978 are available from U.S. Army Corps of Engineers, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
OCT								
20...	1410	9	80513	80513	.00	160	200	8.2
20...	1412	9	80513	80513	10.0	160	200	8.3
20...	1414	9	80513	80513	20.0	160	200	8.3
20...	1416	9	80513	80513	30.0	160	200	8.3
20...	1418	9	80513	80513	40.0	160	205	8.2
20...	1420	9	80513	80513	43.0	160	210	7.8
20...	1422	9	80513	80513	45.0	160	225	7.7
20...	1424	9	80513	80513	48.0	160	225	7.6
20...	1426	9	80513	80513	50.0	160	230	7.5
20...	1428	9	80513	80513	60.0	160	220	7.5
20...	1430	9	80513	80513	70.0	160	215	7.4
20...	1432	9	80513	80513	80.0	160	205	7.4
20...	1434	9	80513	80513	90.0	160	205	7.3
20...	1436	9	80513	80513	100	160	205	7.3
20...	1438	9	80513	80513	110	160	205	7.3
20...	1440	9	80513	80513	120	160	215	7.2
20...	1442	9	80513	80513	130	160	215	7.2
20...	1443	9	80513	80513	140	160	215	7.2
20...	1444	9	80513	80513	150	160	220	7.1
20...	1445	9	80513	80513	160	160	225	7.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
20...	1410	20.0	114	2.90	7.8	89	739
20...	1412	19.5	--	--	7.6	--	--
20...	1414	19.5	--	--	7.3	--	--
20...	1416	19.0	--	--	7.1	--	--
20...	1418	19.0	--	--	6.0	--	--
20...	1420	18.0	--	--	1.1	--	--
20...	1422	17.0	--	--	.2	--	--
20...	1424	16.0	--	--	.1	--	--
20...	1426	15.5	--	--	.1	--	--
20...	1428	15.0	--	--	.1	--	--
20...	1430	14.5	--	--	.0	--	--
20...	1432	14.0	--	--	.0	--	--
20...	1434	13.5	--	--	.2	--	--
20...	1436	13.0	--	--	.3	--	--
20...	1438	13.0	--	--	.3	--	--
20...	1440	12.5	--	--	.6	--	--
20...	1442	12.0	--	--	.7	--	--
20...	1443	11.5	--	--	.1	--	--
20...	1444	10.5	--	--	.0	--	--
20...	1445	10.0	--	--	.0	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
NOV								
08...	1130	9	80513	80513	.00	171	220	8.0
08...	1132	9	80513	80513	10.0	171	220	8.1
08...	1134	9	80513	80513	20.0	171	220	8.2
08...	1136	9	80513	80513	30.0	171	220	8.2
08...	1138	9	80513	80513	40.0	171	220	8.2
08...	1140	9	80513	80513	50.0	171	225	8.1
08...	1142	9	80513	80513	55.0	171	225	7.8
08...	1144	9	80513	80513	60.0	171	225	7.7
08...	1146	9	80513	80513	70.0	171	225	7.7
08...	1148	9	80513	80513	80.0	171	220	7.6
08...	1150	9	80513	80513	90.0	171	215	7.6
08...	1152	9	80513	80513	100	171	215	7.6
08...	1154	9	80513	80513	110	171	220	7.5
08...	1156	9	80513	80513	120	171	225	7.5
08...	1158	9	80513	80513	130	171	225	7.5
08...	1200	9	80513	80513	140	171	235	7.5
08...	1202	9	80513	80513	150	171	240	7.5
08...	1203	9	80513	80513	160	171	240	7.5
08...	1204	9	80513	80513	170	171	245	7.5
08...	1205	9	80513	80513	171	171	245	7.4

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
NOV							
08...	1130	17.0	190	4.8	7.5	80	740
08...	1132	17.0	--	--	7.5	--	--
08...	1134	17.0	--	--	7.5	--	--
08...	1136	17.0	--	--	7.4	--	--
08...	1138	17.0	--	--	7.4	--	--
08...	1140	16.5	--	--	6.5	--	--
08...	1142	15.5	--	--	.6	--	--
08...	1144	15.0	--	--	.2	--	--
08...	1146	14.5	--	--	.2	--	--
08...	1148	14.0	--	--	.2	--	--
08...	1150	13.5	--	--	.2	--	--
08...	1152	13.0	--	--	.1	--	--
08...	1154	12.5	--	--	.1	--	--
08...	1156	12.5	--	--	.1	--	--
08...	1158	12.0	--	--	.2	--	--
08...	1200	11.0	--	--	.1	--	--
08...	1202	10.5	--	--	.1	--	--
08...	1203	10.0	--	--	.1	--	--
08...	1204	9.5	--	--	.1	--	--
08...	1205	9.5	--	--	.1	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
07...	1600	9	80513	80513	.00	170	200	7.9	10.0	11.5
07...	1601	9	80513	80010	3.00	170	--	--	--	--
07...	1602	9	80513	80513	10.0	170	200	7.8	--	11.5
07...	1604	9	80513	80513	20.0	170	200	7.8	--	11.5
07...	1605	9	80513	80010	25.0	170	200	7.8	--	11.5
07...	1608	9	80513	80513	30.0	170	200	7.8	--	11.5
07...	1610	9	80513	80513	40.0	170	200	7.8	--	11.5
07...	1612	9	80513	80513	50.0	170	200	7.8	--	11.5
07...	1614	9	80513	80513	60.0	170	200	7.8	--	11.5
07...	1616	9	80513	80513	70.0	170	200	7.8	--	11.5
07...	1618	9	80513	80513	80.0	170	200	7.8	--	11.5
07...	1619	9	80513	80513	90.0	170	200	7.8	--	11.5
07...	1620	9	80513	80010	100	170	205	7.8	--	11.5
07...	1622	9	80513	80513	110	170	205	7.8	--	11.5
07...	1624	9	80513	80513	120	170	205	7.8	--	11.5
07...	1626	9	80513	80513	130	170	205	7.8	--	11.5
07...	1628	9	80513	80513	140	170	205	7.8	--	11.5
07...	1630	9	80513	80513	150	170	205	7.8	--	11.5
07...	1633	9	80513	80513	160	170	210	7.8	--	11.5
07...	1635	9	80513	80513	170	170	215	7.6	--	11.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
07...	1600	136	3.4	8.6	82	737	--	--	--	1
07...	1601	--	--	--	--	737	--	--	--	--
07...	1602	--	--	8.5	--	--	--	--	--	--
07...	1604	--	--	8.5	--	--	--	--	--	--
07...	1605	--	--	8.5	81	737	5	<1.0	.8	--
07...	1608	--	--	8.5	--	--	--	--	--	--
07...	1610	--	--	8.5	--	--	--	--	--	--
07...	1612	--	--	8.5	--	--	--	--	--	--
07...	1614	--	--	8.5	--	--	--	--	--	--
07...	1616	--	--	8.5	--	--	--	--	--	--
07...	1618	--	--	8.5	--	--	--	--	--	--
07...	1619	--	--	8.5	--	--	--	--	--	--
07...	1620	--	--	8.6	82	737	5	<1.0	.8	--
07...	1622	--	--	8.6	--	--	--	--	--	--
07...	1624	--	--	8.6	--	--	--	--	--	--
07...	1626	--	--	8.5	--	--	--	--	--	--
07...	1628	--	--	8.5	--	--	--	--	--	--
07...	1630	--	--	8.4	--	--	--	--	--	--
07...	1633	--	--	7.8	--	--	--	--	--	--
07...	1635	--	--	4.3	--	--	--	--	--	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC										
07...	1605	95	0	0	29	72	5.4	95	6.0	7.4
07...	1620	90	0	0	27	68	5.4	92	7.0	7.4

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
07...	1601	--	--	--	--	--	--	--	.900	<.100
07...	1605	.200	.040	<.10	.020	<.010	130	70	--	--
07...	1620	.200	.010	<.10	.010	<.010	140	70	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JAN								
25...	1220	9	80513	80513	.00	165	240	8.2
25...	1222	9	80513	80513	10.0	165	245	8.2
25...	1224	9	80513	80513	20.0	165	245	8.2
25...	1226	9	80513	80513	30.0	165	245	8.2
25...	1228	9	80513	80513	40.0	165	245	8.2
25...	1230	9	80513	80513	50.0	165	245	8.2
25...	1232	9	80513	80513	60.0	165	245	8.2
25...	1234	9	80513	80513	70.0	165	245	8.2
25...	1236	9	80513	80513	80.0	165	245	8.2
25...	1238	9	80513	80513	90.0	165	245	8.2
25...	1240	9	80513	80513	100	165	245	8.2
25...	1242	9	80513	80513	110	165	245	8.2
25...	1244	9	80513	80513	120	165	245	8.2
25...	1246	9	80513	80513	130	165	245	8.2
25...	1247	9	80513	80513	140	165	245	8.2
25...	1248	9	80513	80513	150	165	245	8.2
25...	1249	9	80513	80513	160	165	250	8.1
25...	1250	9	80513	80513	165	165	250	8.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
25...	1220	4.5	137	3.5	9.6	76	742
25...	1222	4.5	--	--	10.4	--	--
25...	1224	4.5	--	--	10.4	--	--
25...	1226	4.5	--	--	10.4	--	--
25...	1228	4.5	--	--	10.6	--	--
25...	1230	4.0	--	--	10.6	--	--
25...	1232	4.0	--	--	10.6	--	--
25...	1234	4.0	--	--	10.6	--	--
25...	1236	4.0	--	--	10.6	--	--
25...	1238	4.0	--	--	10.5	--	--
25...	1240	4.0	--	--	10.5	--	--
25...	1242	4.0	--	--	10.4	--	--
25...	1244	4.0	--	--	10.4	--	--
25...	1246	4.0	--	--	10.4	--	--
25...	1247	4.0	--	--	10.4	--	--
25...	1248	4.0	--	--	10.1	--	--
25...	1249	4.0	--	--	9.9	--	--
25...	1250	4.0	--	--	9.9	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
FEB								
29...	1450	9	80513	80513	.00	170	215	7.8
29...	1452	9	80513	80513	10.0	170	215	7.9
29...	1454	9	80513	80513	20.0	170	215	7.9
29...	1456	9	80513	80513	30.0	170	215	8.0
29...	1458	9	80513	80513	40.0	170	215	8.0
29...	1500	9	80513	80513	50.0	170	215	8.0
29...	1502	9	80513	80513	60.0	170	215	8.0
29...	1504	9	80513	80513	70.0	170	215	8.0
29...	1506	9	80513	80513	80.0	170	215	8.0
29...	1508	9	80513	80513	90.0	170	215	8.0
29...	1510	9	80513	80513	100	170	215	8.1
29...	1512	9	80513	80513	110	170	215	8.1
29...	1514	9	80513	80513	120	170	215	8.1
29...	1516	9	80513	80513	130	170	215	8.1
29...	1517	9	80513	80513	140	170	215	8.1
29...	1518	9	80513	80513	150	170	215	8.1
29...	1519	9	80513	80513	160	170	215	8.1
29...	1520	9	80513	80513	170	170	215	8.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
29...	1450	5.0	176	4.5	12.2	98	745
29...	1452	5.0	--	--	12.2	--	--
29...	1454	5.0	--	--	12.2	--	--
29...	1456	5.0	--	--	12.2	--	--
29...	1458	5.0	--	--	12.1	--	--
29...	1500	5.0	--	--	12.1	--	--
29...	1502	5.0	--	--	12.1	--	--
29...	1504	5.0	--	--	12.1	--	--
29...	1506	5.0	--	--	12.1	--	--
29...	1508	5.0	--	--	12.1	--	--
29...	1510	5.0	--	--	12.1	--	--
29...	1512	5.0	--	--	12.1	--	--
29...	1514	5.0	--	--	12.1	--	--
29...	1516	5.0	--	--	12.0	--	--
29...	1517	5.0	--	--	12.0	--	--
29...	1518	5.0	--	--	12.0	--	--
29...	1519	5.0	--	--	12.0	--	--
29...	1520	5.0	--	--	12.0	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR								
27...	1300	9	80513	80513	.00	180	215	8.7
27...	1302	9	80513	80513	10.0	180	215	8.7
27...	1304	9	80513	80513	20.0	180	215	8.7
27...	1306	9	80513	80513	30.0	180	215	8.7
27...	1308	9	80513	80513	40.0	180	215	8.7
27...	1310	9	80513	80513	50.0	180	215	8.7
27...	1312	9	80513	80513	60.0	180	215	8.7
27...	1314	9	80513	80513	70.0	180	215	8.7
27...	1316	9	80513	80513	80.0	180	215	8.7
27...	1318	9	80513	80513	90.0	180	215	8.7
27...	1320	9	80513	80513	100	180	215	8.7
27...	1322	9	80513	80513	110	180	215	8.7
27...	1324	9	80513	80513	120	180	215	8.7
27...	1326	9	80513	80513	130	180	220	8.6
27...	1328	9	80513	80513	140	180	220	8.6
27...	1330	9	80513	80513	150	180	220	8.6
27...	1332	9	80513	80513	160	180	225	8.5
27...	1334	9	80513	80513	170	180	225	8.5
27...	1335	9	80513	80513	180	180	230	8.4

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
27...	1300	7.5	132	3.4	11.8	103	726
27...	1302	7.0	--	--	11.8	--	--
27...	1304	7.0	--	--	11.8	--	--
27...	1306	7.0	--	--	11.8	--	--
27...	1308	7.0	--	--	11.8	--	--
27...	1310	7.0	--	--	11.8	--	--
27...	1312	7.0	--	--	11.8	--	--
27...	1314	7.0	--	--	11.8	--	--
27...	1316	7.0	--	--	11.8	--	--
27...	1318	6.5	--	--	11.8	--	--
27...	1320	6.5	--	--	11.8	--	--
27...	1322	6.5	--	--	11.7	--	--
27...	1324	6.5	--	--	11.6	--	--
27...	1326	6.0	--	--	11.6	--	--
27...	1328	6.0	--	--	11.4	--	--
27...	1330	6.0	--	--	11.3	--	--
27...	1332	5.5	--	--	10.8	--	--
27...	1334	5.5	--	--	10.6	--	--
27...	1335	5.0	--	--	10.2	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
APR								
24...	1530	9	80513	80513	.00	177	225	8.5
24...	1532	9	80513	80513	10.0	177	225	8.6
24...	1534	9	80513	80513	20.0	177	225	8.6
24...	1536	9	80513	80513	30.0	177	225	8.7
24...	1538	9	80513	80513	40.0	177	225	8.7
24...	1540	9	80513	80513	50.0	177	225	8.7
24...	1542	9	80513	80513	60.0	177	225	8.7
24...	1544	9	80513	80513	70.0	177	225	8.7
24...	1546	9	80513	80513	80.0	177	225	8.6
24...	1548	9	80513	80513	90.0	177	220	8.6
24...	1550	9	80513	80513	100	177	220	8.6
24...	1552	9	80513	80513	110	177	220	8.6
24...	1554	9	80513	80513	120	177	220	8.5
24...	1556	9	80513	80513	130	177	220	8.5
24...	1558	9	80513	80513	140	177	220	8.5
24...	1600	9	80513	80513	150	177	220	8.4
24...	1602	9	80513	80513	160	177	220	8.4
24...	1604	9	80513	80513	170	177	225	8.3
24...	1605	9	80513	80513	177	177	225	8.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
24...	1530	12.5	134	3.4	10.5	103	732
24...	1532	11.5	--	--	10.7	--	--
24...	1534	11.5	--	--	10.9	--	--
24...	1536	11.5	--	--	11.0	--	--
24...	1538	10.5	--	--	11.1	--	--
24...	1540	10.5	--	--	11.1	--	--
24...	1542	10.5	--	--	11.2	--	--
24...	1544	10.0	--	--	11.2	--	--
24...	1546	9.5	--	--	11.2	--	--
24...	1548	8.5	--	--	11.1	--	--
24...	1550	8.0	--	--	11.1	--	--
24...	1552	7.5	--	--	11.1	--	--
24...	1554	7.0	--	--	11.2	--	--
24...	1556	7.0	--	--	11.2	--	--
24...	1558	7.0	--	--	11.2	--	--
24...	1600	6.5	--	--	11.0	--	--
24...	1602	6.5	--	--	10.8	--	--
24...	1604	6.0	--	--	10.2	--	--
24...	1605	5.5	--	--	10.0	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
22...	1430	9	80513	80513	.00	189	230	8.2	21.5	21.0	246
22...	1431	9	80513	80010	3.00	189	--	--	--	--	--
22...	1432	9	80513	80513	10.0	189	225	8.3	--	21.0	--
22...	1434	9	80513	80513	16.0	189	225	8.5	--	20.0	--
22...	1436	9	80513	80513	17.0	189	225	8.6	--	19.0	--
22...	1438	9	80513	80513	18.0	189	225	8.6	--	18.0	--
22...	1440	9	80513	80513	19.0	189	225	8.6	--	17.0	--
22...	1442	9	80513	80513	20.0	189	225	8.6	--	16.0	--
22...	1445	9	80513	80010	25.0	189	225	8.5	--	15.0	--
22...	1446	9	80513	80513	30.0	189	225	8.5	--	14.5	--
22...	1448	9	80513	80513	40.0	189	225	8.4	--	13.5	--
22...	1450	9	80513	80513	50.0	189	225	8.3	--	12.5	--
22...	1452	9	80513	80513	60.0	189	225	8.2	--	11.5	--
22...	1454	9	80513	80513	70.0	189	225	8.1	--	11.0	--
22...	1456	9	80513	80513	80.0	189	225	8.1	--	10.5	--
22...	1458	9	80513	80513	90.0	189	225	8.1	--	9.5	--
22...	1500	9	80513	80010	100	189	230	8.0	--	9.0	--
22...	1502	9	80513	80513	110	189	230	8.0	--	8.5	--
22...	1504	9	80513	80513	120	189	235	8.0	--	8.0	--
22...	1506	9	80513	80513	130	189	240	7.9	--	7.5	--
22...	1508	9	80513	80513	140	189	240	7.9	--	7.5	--
22...	1510	9	80513	80513	150	189	240	7.9	--	7.0	--
22...	1512	9	80513	80513	160	189	245	7.9	--	7.0	--
22...	1514	9	80513	80513	170	189	245	7.8	--	6.5	--
22...	1516	9	80513	80513	180	189	245	7.8	--	6.5	--
22...	1520	9	80513	80513	189	189	245	7.8	--	6.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY										
22...	1430	6.2	9.2	107	737	--	--	--	2	--
22...	1431	--	--	--	737	--	--	--	--	--
22...	1432	--	11.9	--	--	--	--	--	--	--
22...	1434	--	13.2	--	--	--	--	--	--	--
22...	1436	--	13.8	--	--	--	--	--	--	--
22...	1438	--	13.9	--	--	--	--	--	--	--
22...	1440	--	14.1	--	--	--	--	--	--	--
22...	1442	--	14.1	--	--	--	--	--	--	--
22...	1445	--	13.3	137	737	5	<1.0	1.1	--	110
22...	1446	--	12.6	--	--	--	--	--	--	--
22...	1448	--	9.7	--	--	--	--	--	--	--
22...	1450	--	9.3	--	--	--	--	--	--	--
22...	1452	--	9.2	--	--	--	--	--	--	--
22...	1454	--	9.1	--	--	--	--	--	--	--
22...	1456	--	9.2	--	--	--	--	--	--	--
22...	1458	--	9.2	--	--	--	--	--	--	--
22...	1500	--	9.2	82	737	5	<1.0	.6	--	110
22...	1502	--	9.2	--	--	--	--	--	--	--
22...	1504	--	9.0	--	--	--	--	--	--	--
22...	1506	--	8.8	--	--	--	--	--	--	--
22...	1508	--	8.7	--	--	--	--	--	--	--
22...	1510	--	8.4	--	--	--	--	--	--	--
22...	1512	--	7.7	--	--	--	--	--	--	--
22...	1514	--	7.5	--	--	--	--	--	--	--
22...	1516	--	7.3	--	--	--	--	--	--	--
22...	1520	--	6.9	--	--	--	--	--	--	--

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
22...	1431	.500	.060	--	<.10	--	<.010	<.010	.800	<.100
22...	1445	.600	.090	--	<.10	--	<.010	<.010	--	--
22...	1500	.700	.030	.47	.50	1.2	.010	<.010	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JUN								
26...	1230	9	80513	80513	.00	175	235	8.7
26...	1232	9	80513	80513	10.0	175	235	8.7
26...	1234	9	80513	80513	18.0	175	235	8.7
26...	1236	9	80513	80513	19.0	175	235	8.7
26...	1238	9	80513	80513	20.0	175	230	8.7
26...	1240	9	80513	80513	21.0	175	230	8.8
26...	1242	9	80513	80513	23.0	175	230	8.8
26...	1244	9	80513	80513	24.0	175	235	8.8
26...	1246	9	80513	80513	25.0	175	235	8.8
26...	1248	9	80513	80513	27.0	175	240	8.8
26...	1250	9	80513	80513	30.0	175	240	8.7
26...	1252	9	80513	80513	33.0	175	245	8.6
26...	1254	9	80513	80513	35.0	175	245	8.5
25...	1256	9	80513	80513	38.0	175	245	8.3
26...	1258	9	80513	80513	40.0	175	245	8.3
26...	1300	9	80513	80513	45.0	175	245	8.1
26...	1302	9	80513	80513	50.0	175	245	8.0
26...	1304	9	80513	80513	60.0	175	250	8.0
26...	1306	9	80513	80513	70.0	175	250	8.0
26...	1308	9	80513	80513	80.0	175	250	8.0
26...	1310	9	80513	80513	90.0	175	250	8.0
26...	1312	9	80513	80513	100	175	250	7.9
26...	1314	9	80513	80513	110	175	250	7.9
26...	1316	9	80513	80513	120	175	250	7.9
26...	1318	9	80513	80513	130	175	250	7.8
26...	1320	9	80513	80513	140	175	250	7.8
26...	1322	9	80513	80513	150	175	250	7.8
26...	1323	9	80513	80513	160	175	255	7.7
26...	1324	9	80513	80513	170	175	260	7.7
26...	1325	9	80513	80513	175	175	260	7.7

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
26...	1230	27.0	192	4.9	8.3	108	739
26...	1232	27.0	--	--	8.4	--	--
26...	1234	26.0	--	--	8.9	--	--
26...	1236	25.0	--	--	10.0	--	--
26...	1238	24.5	--	--	10.6	--	--
26...	1240	23.5	--	--	10.8	--	--
26...	1242	22.5	--	--	10.8	--	--
26...	1244	21.5	--	--	10.7	--	--
26...	1246	20.5	--	--	10.6	--	--
26...	1248	19.5	--	--	10.1	--	--
26...	1250	18.5	--	--	9.8	--	--
26...	1252	17.5	--	--	9.1	--	--
26...	1254	16.5	--	--	8.2	--	--
26...	1256	15.5	--	--	7.5	--	--
26...	1258	15.0	--	--	7.2	--	--
26...	1300	14.0	--	--	6.4	--	--
26...	1302	13.0	--	--	6.3	--	--
26...	1304	12.0	--	--	6.1	--	--
26...	1306	12.0	--	--	6.1	--	--
26...	1308	11.5	--	--	6.2	--	--
26...	1310	10.5	--	--	6.6	--	--
26...	1312	10.0	--	--	6.6	--	--
26...	1314	9.5	--	--	6.8	--	--
26...	1316	9.0	--	--	6.5	--	--
26...	1318	8.5	--	--	6.4	--	--
26...	1320	8.0	--	--	6.1	--	--
26...	1322	7.5	--	--	5.6	--	--
26...	1323	7.0	--	--	5.2	--	--
26...	1324	7.0	--	--	4.5	--	--
26...	1325	7.0	--	--	4.1	--	--

BEST COPY AVAILABLE

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
17...	1530	9	80513	80513	.00	190	200	8.6	28.5	132
17...	1531	9	80513	80010	3.00	190	200	8.6	28.5	--
17...	1532	9	80513	80513	10.0	190	200	8.6	28.5	--
17...	1534	9	80513	80513	20.0	190	200	8.6	28.0	--
17...	1536	9	80513	80513	21.0	190	200	8.7	27.0	--
17...	1538	9	80513	80513	22.0	190	205	8.7	25.0	--
17...	1540	9	80513	80513	23.0	190	205	8.7	23.0	--
17...	1542	9	80513	80513	25.0	190	205	8.7	22.0	--
17...	1544	9	80513	80513	26.0	190	205	8.7	21.0	--
17...	1546	9	80513	80513	28.0	190	205	8.7	20.0	--
17...	1548	9	80513	80513	30.0	190	210	8.6	19.0	--
17...	1550	9	80513	80513	32.0	190	220	8.4	18.0	--
17...	1552	9	80513	80513	34.0	190	225	8.3	17.0	--
17...	1554	9	80513	80513	37.0	190	225	8.0	16.0	--
17...	1556	9	80513	80513	40.0	190	225	8.0	15.0	--
17...	1558	9	80513	80513	45.0	190	225	7.9	14.0	--
17...	1600	9	80513	80513	50.0	190	225	7.9	13.0	--
17...	1602	9	80513	80513	60.0	190	225	7.9	12.0	--
17...	1604	9	80513	80513	70.0	190	225	7.9	11.5	--
17...	1606	9	80513	80513	80.0	190	225	7.9	11.0	--
17...	1608	9	80513	80513	90.0	190	225	7.9	10.5	--
17...	1610	9	80513	80513	100	190	225	7.9	10.0	--
17...	1612	9	80513	80513	110	190	225	7.8	9.5	--
17...	1614	9	80513	80513	120	190	225	7.8	9.0	--
17...	1616	9	80513	80513	130	190	220	7.8	8.0	--
17...	1618	9	80513	80513	140	190	220	7.8	7.5	--
17...	1620	9	80513	80513	150	190	220	7.8	7.0	--
17...	1622	9	80513	80513	160	190	225	7.7	7.0	--
17...	1624	9	80513	80513	170	190	225	7.7	7.0	--
17...	1626	9	80513	80513	180	190	225	7.7	6.5	--
17...	1630	9	80513	80513	190	190	230	7.7	6.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL									
17...	1530	3.4	8.0	107	738	--	--	--	--
17...	1531	--	8.0	107	738	<.010	<.010	.900	<.100
17...	1532	--	8.0	--	--	--	--	--	--
17...	1534	--	8.2	--	--	--	--	--	--
17...	1536	--	11.1	--	--	--	--	--	--
17...	1538	--	11.5	--	--	--	--	--	--
17...	1540	--	11.7	--	--	--	--	--	--
17...	1542	--	12.0	--	--	--	--	--	--
17...	1544	--	12.0	--	--	--	--	--	--
17...	1546	--	11.5	--	--	--	--	--	--
17...	1548	--	9.7	--	--	--	--	--	--
17...	1550	--	7.8	--	--	--	--	--	--
17...	1552	--	6.8	--	--	--	--	--	--
17...	1554	--	5.3	--	--	--	--	--	--
17...	1556	--	4.8	--	--	--	--	--	--
17...	1558	--	4.6	--	--	--	--	--	--
17...	1600	--	4.6	--	--	--	--	--	--
17...	1602	--	5.0	--	--	--	--	--	--
17...	1604	--	5.3	--	--	--	--	--	--
17...	1606	--	5.3	--	--	--	--	--	--
17...	1608	--	5.6	--	--	--	--	--	--
17...	1610	--	5.8	--	--	--	--	--	--
17...	1612	--	6.0	--	--	--	--	--	--
17...	1614	--	5.9	--	--	--	--	--	--
17...	1616	--	5.9	--	--	--	--	--	--
17...	1618	--	5.5	--	--	--	--	--	--
17...	1620	--	5.1	--	--	--	--	--	--
17...	1622	--	4.4	--	--	--	--	--	--
17...	1624	--	4.1	--	--	--	--	--	--
17...	1626	--	3.7	--	--	--	--	--	--
17...	1630	--	3.4	--	--	--	--	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)
AUG									
02...	1130	9	80513	80513	.00	184	180	8.6	--
02...	1132	9	80513	80513	10.0	184	180	8.7	--
02...	1134	9	80513	80513	20.0	184	180	8.8	--
02...	1136	9	80513	80513	23.0	184	185	8.8	--
02...	1138	9	80513	80513	24.0	184	185	8.8	--
02...	1140	9	80513	80513	25.0	184	185	8.8	--
02...	1142	9	80513	80513	27.0	184	190	8.8	--
02...	1144	9	80513	80513	28.0	184	190	8.8	--
02...	1146	9	80513	80513	30.0	184	200	8.7	--
02...	1148	9	80513	80513	33.0	184	205	8.3	--
02...	1150	9	80513	80513	35.0	184	215	8.1	--
02...	1152	9	80513	80513	37.0	184	215	7.9	--
02...	1154	9	80513	80513	39.0	184	220	7.9	--
02...	1156	9	80513	80513	40.0	184	220	7.8	--
02...	1158	9	80513	80513	44.0	184	225	7.8	--
02...	1200	9	80513	80513	47.0	184	230	7.8	--
02...	1202	9	80513	80513	50.0	184	230	7.7	--
02...	1204	9	80513	80513	60.0	184	225	7.7	--
02...	1206	9	80513	80513	70.0	184	225	7.7	--
02...	1208	9	80513	80513	80.0	184	220	7.7	--
02...	1210	9	80513	80513	90.0	184	220	7.7	--
02...	1212	9	80513	80513	100	184	220	7.7	--
02...	1214	9	80513	80513	110	184	220	7.7	--
02...	1216	9	80513	80513	120	184	220	7.7	--
02...	1218	9	80513	80513	130	184	220	7.7	--
02...	1220	9	80513	80513	140	184	220	7.7	--
02...	1222	9	80513	80513	150	184	220	7.6	--
02...	1224	9	80513	80513	160	184	220	7.6	--
02...	1226	9	80513	80513	170	184	225	7.5	--
02...	1228	9	80513	80513	180	184	225	7.5	--
02...	1230	9	80513	80513	184	184	225	7.5	--
14...	1730	9	80513	80513	.00	183	190	8.3	32.5
14...	1731	9	80513	80010	3.00	183	--	--	--
14...	1732	9	80513	80513	10.0	183	190	8.3	--
14...	1734	9	80513	80513	20.0	183	190	8.6	--
14...	1735	9	80513	80010	25.0	183	200	8.7	--
14...	1738	9	80513	80513	26.0	183	205	8.6	--
14...	1740	9	80513	80513	27.0	183	215	8.5	--
14...	1742	9	80513	80513	29.0	183	220	8.4	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
AUG									
02...	1130	26.5	166	4.2	9.0	115	744	--	--
02...	1132	26.5	--	--	9.1	--	--	--	--
02...	1134	26.5	--	--	9.0	--	--	--	--
02...	1136	25.5	--	--	10.8	--	--	--	--
02...	1138	24.5	--	--	11.2	--	--	--	--
02...	1140	23.5	--	--	12.1	--	--	--	--
02...	1142	22.5	--	--	12.1	--	--	--	--
02...	1144	21.5	--	--	12.2	--	--	--	--
02...	1146	21.0	--	--	11.3	--	--	--	--
02...	1148	20.0	--	--	8.7	--	--	--	--
02...	1150	19.0	--	--	5.7	--	--	--	--
02...	1152	18.0	--	--	4.4	--	--	--	--
02...	1154	17.0	--	--	3.8	--	--	--	--
02...	1156	16.5	--	--	3.2	--	--	--	--
02...	1158	15.5	--	--	2.3	--	--	--	--
02...	1200	14.5	--	--	2.1	--	--	--	--
02...	1202	14.0	--	--	2.5	--	--	--	--
02...	1204	13.0	--	--	3.1	--	--	--	--
02...	1206	12.0	--	--	3.9	--	--	--	--
02...	1208	11.5	--	--	4.2	--	--	--	--
02...	1210	11.0	--	--	4.6	--	--	--	--
02...	1212	10.5	--	--	4.6	--	--	--	--
02...	1214	10.5	--	--	4.9	--	--	--	--
02...	1216	10.0	--	--	4.9	--	--	--	--
02...	1218	9.0	--	--	5.1	--	--	--	--
02...	1220	8.0	--	--	4.9	--	--	--	--
02...	1222	7.5	--	--	4.1	--	--	--	--
02...	1224	7.0	--	--	2.6	--	--	--	--
02...	1226	7.0	--	--	1.4	--	--	--	--
02...	1228	7.0	--	--	1.0	--	--	--	--
02...	1230	6.5	--	--	.9	--	--	--	--
14...	1730	28.0	194	4.9	8.7	115	741	--	--
14...	1731	--	--	--	--	--	741	--	--
14...	1732	27.5	--	--	9.4	--	--	--	--
14...	1734	26.5	--	--	9.4	--	--	--	--
14...	1735	25.5	--	--	9.4	118	741	2	.50
14...	1738	24.5	--	--	9.7	--	--	--	--
14...	1740	23.5	--	--	9.6	--	--	--	--
14...	1742	22.5	--	--	9.0	--	--	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG									
14...	1730	--	0	--	--	--	--	--	--
14...	1731	--	--	--	--	--	--	.800	<.100
14...	1735	1.0	--	78	.200	<.010	.010	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG										
14...	1744	9	80513	80513	30.0	183	220	8.3	22.0	8.6
14...	1746	9	80513	80513	32.0	183	225	8.1	21.0	7.1
14...	1748	9	80513	80513	34.0	183	230	8.0	20.0	5.5
14...	1750	9	80513	80513	36.0	183	240	8.0	19.0	3.6
14...	1752	9	80513	80513	38.0	183	245	7.9	18.0	2.3
14...	1754	9	80513	80513	40.0	183	250	7.9	17.0	1.8
14...	1756	9	80513	80513	43.0	183	250	7.9	16.0	1.4
14...	1758	9	80513	80513	47.0	183	250	7.9	15.0	1.4
14...	1800	9	80513	80513	50.0	183	245	7.8	14.5	1.7
14...	1802	9	80513	80513	60.0	183	245	7.8	13.5	2.3
14...	1804	9	80513	80513	70.0	183	240	7.8	12.5	3.0
14...	1806	9	80513	80513	80.0	183	235	7.8	12.0	3.5
14...	1808	9	80513	80513	90.0	183	235	7.8	11.5	3.8
14...	1810	9	80513	80010	100	183	235	7.8	11.5	4.1
14...	1812	9	80513	80513	110	183	235	7.8	11.0	4.5
14...	1814	9	80513	80513	120	183	235	7.8	10.5	4.4
14...	1816	9	80513	80513	130	183	235	7.8	10.0	4.3
14...	1818	9	80513	80513	140	183	235	7.8	9.5	4.2
14...	1820	9	80513	80513	150	183	235	7.7	9.0	2.8
14...	1822	9	80513	80513	160	183	245	7.6	8.0	.9
14...	1824	9	80513	80513	170	183	245	7.6	8.0	.4
14...	1826	9	80513	80513	180	183	250	7.6	7.5	.1
14...	1830	9	80513	80513	183	183	250	7.5	7.5	.1

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG										
14...	1810	39	741	3	.30	.9	86	.200	<.010	<.010

BEST COPY AVAILABLE

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
05...	1200	9	80513	80513	.00	168	180	8.6	23.0	155
05...	1202	9	80513	80513	10.0	168	180	8.6	23.0	--
05...	1204	9	80513	80513	20.0	168	180	8.6	23.0	--
05...	1206	9	80513	80513	30.0	168	210	8.8	22.0	--
05...	1208	9	80513	80513	31.0	168	210	8.8	21.0	--
05...	1210	9	80513	80513	32.0	168	220	8.2	20.0	--
05...	1212	9	80513	80513	33.0	168	220	7.7	19.0	--
05...	1214	9	80513	80513	35.0	168	220	7.7	18.0	--
05...	1216	9	80513	80513	37.0	168	225	7.6	17.0	--
05...	1218	9	80513	80513	40.0	168	230	7.5	16.0	--
05...	1220	9	80513	80513	43.0	168	230	7.5	15.0	--
05...	1222	9	80513	80513	47.0	168	230	7.5	14.0	--
05...	1224	9	80513	80513	50.0	168	230	7.5	13.0	--
05...	1226	9	80513	80513	60.0	168	230	7.5	12.5	--
05...	1228	9	80513	80513	70.0	168	225	7.5	11.5	--
05...	1230	9	80513	80513	80.0	168	220	7.6	11.0	--
05...	1232	9	80513	80513	90.0	168	220	7.6	10.0	--
05...	1234	9	80513	80513	100	168	220	7.6	10.0	--
05...	1236	9	80513	80513	110	168	220	7.6	9.5	--
05...	1238	9	80513	80513	120	168	220	7.6	9.0	--
05...	1240	9	80513	80513	130	168	220	7.5	8.5	--
05...	1242	9	80513	80513	140	168	220	7.5	7.5	--
05...	1244	9	80513	80513	150	168	220	7.4	7.5	--
05...	1246	9	80513	80513	160	168	225	7.4	7.0	--
05...	1250	9	80513	80513	168	168	230	7.4	6.5	--
18...	1130	9	80513	80513	.00	180	185	8.9	23.0	170
18...	1131	9	80513	80010	3.00	180	185	8.9	23.0	--
18...	1132	9	80513	80513	10.0	180	185	8.9	23.0	--
18...	1134	9	80513	80513	20.0	180	185	8.9	23.0	--
18...	1136	9	80513	80513	30.0	180	200	8.5	22.5	--
18...	1138	9	80513	80513	32.0	180	215	8.2	21.5	--
18...	1140	9	80513	80513	34.0	180	225	8.0	20.5	--
18...	1142	9	80513	80513	36.0	180	235	8.0	19.5	--
18...	1144	9	80513	80513	38.0	180	235	7.9	18.5	--
18...	1146	9	80513	80513	40.0	180	235	7.9	17.5	--
18...	1148	9	80513	80513	45.0	180	235	7.9	16.5	--
18...	1150	9	80513	80513	50.0	180	235	7.9	15.5	--
18...	1152	9	80513	80513	55.0	180	235	7.9	14.5	--
18...	1154	9	80513	80513	60.0	180	235	7.9	14.0	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP									
05...	1200	3.9	8.8	103	759	--	--	--	--
05...	1202	--	8.7	--	--	--	--	--	--
05...	1204	--	8.5	--	--	--	--	--	--
05...	1206	--	6.5	--	--	--	--	--	--
05...	1208	--	5.0	--	--	--	--	--	--
05...	1210	--	4.0	--	--	--	--	--	--
05...	1212	--	3.6	--	--	--	--	--	--
05...	1214	--	2.2	--	--	--	--	--	--
05...	1216	--	1.6	--	--	--	--	--	--
05...	1218	--	.2	--	--	--	--	--	--
05...	1220	--	.1	--	--	--	--	--	--
05...	1222	--	.0	--	--	--	--	--	--
05...	1224	--	.0	--	--	--	--	--	--
05...	1226	--	.8	--	--	--	--	--	--
05...	1228	--	1.4	--	--	--	--	--	--
05...	1230	--	2.3	--	--	--	--	--	--
05...	1232	--	3.0	--	--	--	--	--	--
05...	1234	--	3.2	--	--	--	--	--	--
05...	1236	--	3.1	--	--	--	--	--	--
05...	1238	--	3.1	--	--	--	--	--	--
05...	1240	--	3.1	--	--	--	--	--	--
05...	1242	--	2.4	--	--	--	--	--	--
05...	1244	--	1.2	--	--	--	--	--	--
05...	1246	--	.1	--	--	--	--	--	--
05...	1250	--	.1	--	--	--	--	--	--
18...	1130	4.3	7.4	88	748	.050	.020	2.00	<.100
18...	1131	--	7.4	--	--	--	--	--	--
18...	1132	--	7.3	--	--	--	--	--	--
18...	1134	--	7.3	--	--	--	--	--	--
18...	1136	--	4.2	--	--	--	--	--	--
18...	1138	--	1.9	--	--	--	--	--	--
18...	1140	--	.3	--	--	--	--	--	--
18...	1142	--	.1	--	--	--	--	--	--
18...	1144	--	.1	--	--	--	--	--	--
18...	1146	--	.1	--	--	--	--	--	--
18...	1148	--	.1	--	--	--	--	--	--
18...	1150	--	.1	--	--	--	--	--	--
18...	1152	--	.1	--	--	--	--	--	--
18...	1154	--	.1	--	--	--	--	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
SEP										
18...	1156	9	80513	80513	70.0	180	235	7.9	13.0	.7
18...	1158	9	80513	80513	80.0	180	230	7.9	12.5	1.4
18...	1200	9	80513	80513	90.0	180	220	7.9	12.0	2.1
18...	1202	9	80513	80513	100	180	215	7.9	11.5	2.4
18...	1204	9	80513	80513	110	180	215	7.9	11.0	2.6
18...	1206	9	80513	80513	120	180	215	7.9	10.5	2.6
18...	1208	9	80513	80513	130	180	220	7.9	10.0	2.6
18...	1210	9	80513	80513	140	180	225	7.8	9.5	1.7
18...	1212	9	80513	80513	150	180	230	7.8	9.0	.6
18...	1214	9	80513	80513	160	180	230	7.7	8.5	.1
18...	1216	9	80513	80513	170	180	235	7.7	8.5	.1
18...	1220	9	80513	80513	180	180	235	7.6	8.0	.0

07053450 WHITE RIVER BELOW TABLE ROCK DAM, NEAR BRANSON, MO

LOCATION.--Lat 36°35'40", long 93°18'33", in NW 1/4 sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi upstream from Fall Creek and 6.1 mi southwest of Branson.

DRAINAGE AREA.--4,020 mi^2.

PERIOD OF RECORD.--October 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
OCT											
04...	0745	9	80513	80010	--	--	--	--	--	100	80
20...	1330	9	80513	80010	2250	200	7.1	11.5	4.1	130	170
26...	1120	9	80513	80010	--	--	--	--	--	160	160
NOV											
01...	1300	9	80513	80010	--	--	--	--	--	150	140
08...	1100	9	80513	80010	610	225	7.1	11.5	2.5	160	280
22...	1120	9	80513	80010	--	--	--	--	--	130	350

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC									
07...	1015	9	80513	80010	7020	218	8.1	11.5	11.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)
DEC									
07...	1015	8.4	79	736	4	1.8	1.2	1	100

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC									
07...	1015	4	4	32	80	5.4	98	6.0	8.4

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
DEC								
07...	1015	.200	.090	<.10	.030	<.010	290	270

07053450 WHITE RIVER BELOW TABLE ROCK DAM, NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 25...	1200	9	80513	80513	1170	245	8.2	4.5	11.7
FEB 29...	1420	9	80513	80513	2350	225	7.6	8.0	12.5
MAR 27...	1230	9	80513	80513	11700	215	8.8	6.5	11.3
APR 24...	1500	9	80513	80513	8250	225	8.3	9.0	9.5

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)
MAY 22...	1350	9	80513	80010	4710	235	7.9	19.0

DATE	TIME	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
MAY 22...	1350	8.0	8.5	74	743	5	<1.0	.8

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	ITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 22...	1350	1	110	.700	.060	<.10	.030	.020

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 26...	1200	9	80513	80513	2230	235	7.7	9.0	6.5
JUL 17...	1500	9	80513	80513	140	215	8.0	12.0	10.2

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG 02...	1240	9	80513	80513	5110	220	7.9	--	9.5	4.5	--
14...	1700	9	80513	80010	3900	230	8.1	23.5	10.5	2.9	27

BEST COPY AVAILABLE

07053450 WHITE RIVER BELOW TABLE ROCK DAM, NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG										
14...	1700	740	3	.40	.9	0	86	.800	<.010	<.010

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
S											
05...	1100	9	80513	80513	140	210	8.0	9.5	4.6	--	--
18...	1100	9	80513	80613	440	235	7.8	11.5	11.2	140	150

07053700 LAKE TANEYCOMO AT BRANSON, MO

LOCATION.--Lat 36°38'09", long 93°15'52", in SE 1/4 NW 1/4 sec.4, T.22 N., R.21 W., Taney County, Hydrologic Unit 1101003, 1,000 ft. downstream from Turkey Creek, at bridge on Business Route 65 in Branson.

PERIOD OF RECORD.--July 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
OCT											
18...	1700	9	1028	29001	--	--	221	7.6	--	12.5	--
NOV											
09...	0900	9	1028	29001	--	--	235	7.3	--	13.0	--
DEC											
07...	1055	9	80513	80513	.00	25.0	--	--	9.5	--	144
07...	1056	9	80513	80010	3.00	25.0	--	--	--	--	--
07...	1100	9	80513	80010	5.00	25.0	219	8.0	--	11.0	--
07...	1110	9	80513	80010	20.0	25.0	220	8.1	--	11.0	--
07...	1415	9	1028	29001	--	--	208	7.6	--	12.0	--
JAN											
04...	1330	9	1028	29001	--	--	229	8.5	--	11.5	--
FEB											
07...	1430	9	1028	29001	--	--	208	8.5	--	8.0	--
MAR											
06...	1315	9	1028	29001	--	--	219	8.0	--	7.0	--
APR											
03...	1300	9	1028	29001	--	--	221	8.0	--	7.5	--
MAY											
09...	1300	9	1028	29001	--	--	226	7.9	--	10.0	--
22...	1330	9	80513	80513	.00	20.0	--	--	22.0	--	120
22...	1331	9	80513	80010	3.00	20.0	--	--	--	--	--
22...	1335	9	80513	80010	4.00	20.0	220	8.0	--	7.5	--
22...	1340	9	80513	80010	16.0	20.0	220	8.1	--	7.0	--
JUN											
06...	1230	9	1028	29001	--	--	250	7.7	--	11.0	--
JUL											
12...	0800	9	1028	80020	--	--	266	7.5	--	11.5	--
AUG											
07...	0730	9	1028	80020	--	--	258	7.4	--	13.0	--
15...	0750	9	80513	80513	.00	20.0	--	--	21.5	--	87.6
15...	0751	9	80513	80010	3.00	20.0	--	--	--	--	--
15...	0755	9	1028	80010	4.00	20.0	250	8.1	--	10.5	--
15...	0800	9	80513	80010	16.0	20.0	250	7.5	--	10.0	--

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT											
18...	1700	--	6.4	59	773	--	--	8	--	--	27
NOV											
09...	0900	--	7.2	68	765	--	--	11	--	--	7
DEC											
07...	1055	3.7	--	--	760	--	--	--	--	--	5
07...	1056	--	--	--	760	--	--	--	--	--	--
07...	1100	--	8.1	74	760	3	1.4	--	--	1.4	--
07...	1110	--	7.8	71	760	5	1.5	--	--	1.0	--
07...	1415	--	9.6	88	768	--	--	<5	--	--	<1
JAN											
04...	1330	--	13.4	121	772	--	--	<5	--	--	21
FEB											
07...	1430	--	15.0	124	777	--	--	7	--	--	<1
MAR											
06...	1315	--	12.4	101	773	--	--	7	--	--	K2
APR											
03...	1300	--	11.8	99	760	--	--	5	--	--	K2
MAY											
09...	1300	--	10.8	94	775	--	--	50	--	--	K4
22...	1330	3.00	--	--	750	--	--	--	--	--	7
22...	1331	--	--	--	750	--	--	--	--	--	--
22...	1335	--	10.1	86	750	<1	<1.0	--	--	.7	--
22...	1340	--	10.8	90	750	<1	1.4	--	--	1.2	--
JUN											
06...	1230	--	9.2	83	768	--	--	7	--	--	K12
JUL											
12...	0800	--	9.2	83	773	--	--	--	22	--	270
AUG											
07...	0730	--	5.6	52	773	--	--	--	14	--	220
15...	0750	2.20	--	--	748	--	--	--	--	--	21
15...	0751	--	--	--	748	--	--	--	--	--	--
15...	0755	--	4.6	42	748	2	.40	--	--	1.0	--
15...	0800	--	4.4	40	748	3	.50	--	--	1.5	--

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
OCT											
18...	1700	110	6	6	36	--	6.0	2.9	5	.1	1.7
DEC											
07...	1100	95	0	0	29	72	5.6	--	--	--	--
07...	1110	100	3	3	32	80	5.6	--	--	--	--
JAN											
04...	1330	110	0	0	29	--	9.2	3.4	6	.1	1.7
APR											
03...	1300	110	13	13	32	--	6.6	3.4	6	.1	1.7
JUL											
12...	0800	130	12	12	42	--	7.3	3.5	5	.1	1.6

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT 18...	1700	109	<10	6.0	.10	130	.18	<1	.570	.110	--
NOV 09...	0900	106	--	--	--	--	--	5	.550	.110	--
DEC 07...	1100	100	7.0	7.4	--	--	--	--	.200	.090	.11
07...	1110	100	7.0	5.4	--	--	--	--	.200	.180	.08
07...	1415	90	--	--	--	--	--	8	.210	.110	--
JAN 04...	1330	121	15	5.0	.10	142	.19	2	.370	.080	--
FEB 07...	1430	103	--	--	--	--	--	3	.250	<.010	--
MAR 06...	1315	91	--	--	--	--	--	1	.300	.080	--
APR 03...	1300	94	12	5.0	.10	140	.19	2	.390	.010	--
MAY 09...	1300	104	--	--	--	--	--	2	.470	.010	--
22...	1335	110	--	--	--	--	--	--	.700	.030	--
22...	1340	110	--	--	--	--	--	--	.700	.020	.18
JUN 06...	1230	107	--	--	--	--	--	3	.200	.010	--
JUL 12...	0800	123	9.5	6.1	<.10	143	.19	<2	.500	.030	--
AUG 07...	0730	106	--	--	--	--	--	3	.800	.030	--
15...	0755	107	--	--	--	--	--	--	.800	--	--
15...	0800	100	--	--	--	--	--	--	.800	--	--

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)
OCT 18...	1700	--	--	<.050	--	<2	<2	<5	<5	80	<20
NOV 09...	0900	--	--	<.050	--	--	--	--	--	--	--
DEC 07...	1100	.20	.40	.030	<.010	--	--	--	--	190	--
07...	1110	.10	.30	.020	<.010	--	--	--	--	230	--
07...	1415	--	--	<.050	--	--	--	--	--	--	--
JAN 04...	1330	--	--	.050	--	<2	<2	<5	<5	50	<20
FEB 07...	1430	--	--	<.050	--	--	--	--	--	--	--
MAR 06...	1315	--	--	.090	--	--	--	--	--	--	--
APR 03...	1300	--	--	<.050	--	<2	<2	<5	<5	40	<20
MAY 09...	1300	--	--	<.050	--	--	--	--	--	--	--
22...	1335	<.10	--	.020	<.010	--	--	--	--	--	--
22...	1340	.20	.90	.020	<.010	--	--	--	--	--	--
JUN 06...	1230	--	--	<.050	--	--	--	--	--	--	--
JUL 12...	0800	--	--	.030	--	<1	<1	8	<1	30	4
AUG 07...	0730	--	--	<.010	--	--	--	--	--	--	--
15...	0755	--	--	<.010	.020	--	--	--	--	--	--
15...	0800	--	--	<.010	<.010	--	--	--	--	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
OCT											
18...	1700	<5	<5	160	120	<.2	<.2	<10	<10	--	--
DEC											
07...	1056	--	--	--	--	--	--	--	--	.700	<.100
07...	1100	--	--	230	--	--	--	--	--	--	--
07...	1110	--	--	230	--	--	--	--	--	--	--
JAN											
04...	1330	<5	<5	30	<20	<.2	<.2	<10	<10	--	--
APR											
03...	1300	<5	<5	22	<20	<.2	<.2	10	<10	--	--
MAY											
22...	1331	--	--	--	--	--	--	--	--	.400	<.100
JUL											
12...	0800	3	7	20	10	.1	<.1	<10	6	--	--
AUG											
15...	0751	--	--	--	--	--	--	--	--	<.100	<.100

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR

LOCATION.--Lat 36°21'56", long 92°34'29", in NW 1/4 sec.21, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, at dam on White River, 6.3 mi northeast of Flippin, 12.5 mi downstream from Little North Fork, and at mile 418.6.

DRAINAGE AREA.--6,051 mi^2.

PERIOD OF RECORD.--Water years 1954-60, 1972, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
OCT								
18...	1550	9	80513	80513	.00	170	255	8.3
18...	1552	9	80513	80513	10.0	170	255	8.3
18...	1554	9	80513	80513	20.0	170	255	8.3
18...	1556	9	80513	80513	30.0	170	255	8.2
18...	1558	9	80513	80513	35.0	170	265	7.7
18...	1600	9	80513	80513	40.0	170	265	7.6
18...	1602	9	80513	80513	50.0	170	265	7.5
18...	1604	9	80513	80513	60.0	170	265	7.5
18...	1606	9	80513	80513	70.0	170	265	7.5
18...	1608	9	80513	80513	80.0	170	265	7.4
18...	1610	9	80513	80513	90.0	170	260	7.4
18...	1612	9	80513	80513	100	170	260	7.4
18...	1614	9	80513	80513	110	170	260	7.4
18...	1616	9	80513	80513	120	170	260	7.3
18...	1618	9	80513	80513	130	170	260	7.3
18...	1620	9	80513	80513	140	170	260	7.3
18...	1622	9	80513	80513	150	170	260	7.2
18...	1624	9	80513	80513	160	170	265	7.2
18...	1625	9	80513	80513	170	170	265	7.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
18...	1550	20.0	160	4.1	7.8	88	747
18...	1552	20.0	--	--	7.5	--	--
18...	1554	20.0	--	--	7.3	--	--
18...	1556	20.0	--	--	6.0	--	--
18...	1558	19.0	--	--	.3	--	--
18...	1600	18.0	--	--	.1	--	--
18...	1602	17.5	--	--	.1	--	--
18...	1604	16.5	--	--	.1	--	--
18...	1606	16.0	--	--	.5	--	--
18...	1608	15.5	--	--	.8	--	--
18...	1610	15.0	--	--	1.3	--	--
18...	1612	14.5	--	--	1.5	--	--
18...	1614	13.5	--	--	1.8	--	--
18...	1616	13.0	--	--	1.5	--	--
18...	1618	12.0	--	--	.9	--	--
18...	1620	11.0	--	--	.3	--	--
18...	1622	10.5	--	--	.1	--	--
18...	1624	10.0	--	--	.1	--	--
18...	1625	9.5	--	--	.1	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV								
15...	0910	9	80513	80513	.00	168	252	8.3
15...	0912	9	80513	80513	10.0	168	240	8.2
15...	0914	9	80513	80513	20.0	168	240	8.2
15...	0916	9	80513	80513	30.0	168	240	8.0
15...	0918	9	80513	80513	40.0	168	240	8.0
15...	0920	9	80513	80513	50.0	168	240	8.0
15...	0922	9	80513	80513	60.0	168	240	8.0
15...	0924	9	80513	80513	70.0	168	240	8.0
15...	0926	9	80513	80513	80.0	168	240	8.1
15...	0928	9	80513	80513	90.0	168	240	8.1
15...	0930	9	80513	80513	100	168	240	8.0
15...	0932	9	80513	80513	110	168	250	8.0
15...	0934	9	80513	80513	120	168	250	8.0
15...	0936	9	80513	80513	130	168	260	8.0
15...	0938	9	80513	80513	140	168	240	7.9
15...	0940	9	80513	80513	150	168	250	7.9
15...	0942	9	80513	80513	160	168	260	7.9
15...	0945	9	80513	80513	168	168	260	7.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
15...	0910	15.0	150	3.8	6.4	64	753
15...	0912	15.0	--	--	6.4	--	--
15...	0914	15.0	--	--	6.4	--	--
15...	0916	15.0	--	--	6.3	--	--
15...	0918	15.0	--	--	6.3	--	--
15...	0920	15.0	--	--	6.2	--	--
15...	0922	15.0	--	--	6.2	--	--
15...	0924	15.0	--	--	5.5	--	--
15...	0926	15.0	--	--	4.5	--	--
15...	0928	15.0	--	--	4.2	--	--
15...	0930	15.0	--	--	.8	--	--
15...	0932	14.5	--	--	1.1	--	--
15...	0934	13.5	--	--	1.3	--	--
15...	0936	13.0	--	--	1.0	--	--
15...	0938	12.5	--	--	.3	--	--
15...	0940	11.5	--	--	.3	--	--
15...	0942	10.5	--	--	.2	--	--
15...	0945	9.5	--	--	.2	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
08...	1600	9	80513	80513	.00	174	260	7.9	12.0	12.0
08...	1601	9	80513	80010	3.00	174	--	--	--	--
08...	1602	9	80513	80513	10.0	174	255	7.9	--	12.0
08...	1604	9	80513	80513	20.0	174	255	7.9	--	12.0
08...	1605	9	80513	80010	25.0	174	260	7.9	--	12.0
08...	1608	9	80513	80513	30.0	174	260	7.9	--	12.0
08...	1610	9	80513	80513	40.0	174	260	7.9	--	12.0
08...	1612	9	80513	80513	50.0	174	260	7.9	--	12.0
08...	1614	9	80513	80513	60.0	174	260	7.9	--	12.0
08...	1616	9	80513	80513	70.0	174	260	7.9	--	12.0
08...	1618	9	80513	80513	80.0	174	260	7.9	--	12.0
08...	1619	9	80513	80513	90.0	174	260	7.9	--	12.0
08...	1620	9	80513	80010	100	174	260	7.9	--	12.0
08...	1622	9	80513	80513	110	174	260	7.9	--	12.0
08...	1624	9	80513	80513	120	174	260	7.8	--	12.0
08...	1626	9	80513	80513	130	174	260	7.8	--	12.0
08...	1628	9	80513	80513	140	174	260	7.8	--	12.0
08...	1630	9	80513	80513	150	174	265	7.7	--	11.5
08...	1632	9	80513	80513	160	174	275	7.5	--	10.5
08...	1634	9	80513	80513	170	174	275	7.4	--	10.0
08...	1635	9	80513	80513	174	174	275	7.4	--	10.0

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 184

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
08...	1600	144	3.7	9.0	85	749	--	--	--	0
08...	1601	--	--	--	--	749	--	--	--	--
08...	1602	--	--	8.8	--	--	--	--	--	--
08...	1604	--	--	8.8	--	--	--	--	--	--
08...	1605	--	--	8.8	83	749	3	1.0	.9	--
08...	1608	--	--	8.8	--	--	--	--	--	--
08...	1610	--	--	8.8	--	--	--	--	--	--
08...	1612	--	--	8.9	--	--	--	--	--	--
08...	1614	--	--	8.9	--	--	--	--	--	--
08...	1616	--	--	8.9	--	--	--	--	--	--
08...	1618	--	--	8.9	--	--	--	--	--	--
08...	1619	--	--	8.9	--	--	--	--	--	--
08...	1620	--	--	8.9	84	749	2	1.2	1.1	--
08...	1622	--	--	8.8	--	--	--	--	--	--
08...	1624	--	--	8.8	--	--	--	--	--	--
08...	1626	--	--	8.8	--	--	--	--	--	--
08...	1628	--	--	8.8	--	--	--	--	--	--
08...	1630	--	--	5.1	--	--	--	--	--	--
08...	1632	--	--	.0	--	--	--	--	--	--
08...	1634	--	--	.0	--	--	--	--	--	--
08...	1635	--	--	.0	--	--	--	--	--	--

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
DEC										
08...	1605	260	142	140	34	85	43	120	6.0	7.2
08...	1620	130	9	9	35	88	10	120	6.0	7.3

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
08...	1601	--	--	--	--	--	--	--	1.20	<.100
08...	1605	.200	.140	<.10	.030	.010	130	20	--	--
08...	1620	.200	.110	<.10	.030	.010	100	40	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
JAN								
24...	1610	9	80513	80513	.00	169	270	8.2
24...	1612	9	80513	80513	10.0	169	270	8.2
24...	1614	9	80513	80513	20.0	169	270	8.2
24...	1616	9	80513	80513	30.0	169	270	8.2
24...	1618	9	80513	80513	40.0	169	270	8.2
24...	1620	9	80513	80513	50.0	169	270	8.2
24...	1622	9	80513	80513	60.0	169	270	8.2
24...	1624	9	80513	80513	70.0	169	270	8.2
24...	1626	9	80513	80513	80.0	169	270	8.2
24...	1628	9	80513	80513	90.0	169	270	8.2
24...	1630	9	80513	80513	100	169	270	8.2
24...	1632	9	80513	80513	110	169	270	8.2
24...	1634	9	80513	80513	120	169	270	8.2
24...	1636	9	80513	80513	130	169	270	8.2
24...	1637	9	80513	80513	140	169	270	8.2
24...	1638	9	80513	80513	150	169	270	8.2
24...	1639	9	80513	80513	160	169	275	8.2
24...	1640	9	80513	80513	169	169	280	8.1

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JAN							
24...	1610	5.0	176	4.5	11.1	89	747
24...	1612	5.0	--	--	11.0	--	--
24...	1614	5.0	--	--	11.0	--	--
24...	1616	5.0	--	--	10.9	--	--
24...	1618	5.0	--	--	10.9	--	--
24...	1620	5.0	--	--	10.9	--	--
24...	1622	5.0	--	--	10.9	--	--
24...	1624	5.0	--	--	10.9	--	--
24...	1626	5.0	--	--	10.9	--	--
24...	1628	5.0	--	--	10.9	--	--
24...	1630	5.0	--	--	10.9	--	--
24...	1632	5.0	--	--	10.9	--	--
24...	1634	5.0	--	--	10.9	--	--
24...	1636	5.0	--	--	10.8	--	--
24...	1637	4.5	--	--	10.8	--	--
24...	1638	4.5	--	--	10.7	--	--
24...	1639	4.5	--	--	10.5	--	--
24...	1640	4.5	--	--	10.2	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
FEB								
14...	1110	9	80513	80513	.00	170	270	8.4
14...	1112	9	80513	80513	10.0	170	270	8.4
14...	1114	9	80513	80513	20.0	170	270	8.4
14...	1116	9	80513	80513	30.0	170	270	8.4
14...	1118	9	80513	80513	40.0	170	270	8.4
14...	1120	9	80513	80513	50.0	170	270	8.4
14...	1122	9	80513	80513	60.0	170	270	8.4
14...	1124	9	80513	80513	70.0	170	275	8.4
14...	1126	9	80513	80513	80.0	170	275	8.4
14...	1128	9	80513	80513	90.0	170	275	8.4
14...	1130	9	80513	80513	100	170	275	8.4
14...	1132	9	80513	80513	110	170	275	8.4
14...	1134	9	80513	80513	120	170	275	8.4
14...	1136	9	80513	80513	130	170	275	8.4
14...	1137	9	80513	80513	140	170	275	8.4
14...	1138	9	80513	80513	150	170	275	8.4
14...	1139	9	80513	80513	160	170	275	8.4
14...	1140	9	80513	80513	170	170	280	8.4

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
FEB							
14...	1110	5.5	168	4.3	11.6	94	747
14...	1112	5.5	--	--	11.6	--	--
14...	1114	5.5	--	--	11.7	--	--
14...	1116	5.0	--	--	11.8	--	--
14...	1118	5.0	--	--	11.6	--	--
14...	1120	5.0	--	--	11.6	--	--
14...	1122	5.0	--	--	11.6	--	--
14...	1124	5.0	--	--	11.6	--	--
14...	1126	5.0	--	--	11.6	--	--
14...	1128	5.0	--	--	11.6	--	--
14...	1130	5.0	--	--	11.6	--	--
14...	1132	5.0	--	--	11.6	--	--
14...	1134	5.0	--	--	11.6	--	--
14...	1136	5.0	--	--	11.6	--	--
14...	1137	5.0	--	--	11.6	--	--
14...	1138	5.0	--	--	11.6	--	--
14...	1139	5.0	--	--	11.5	--	--
14...	1140	5.0	--	--	11.0	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
MAR								
27...	1000	9	80513	80513	.00	175	258	8.8
27...	1002	9	80513	80513	10.0	175	258	8.8
27...	1004	9	80513	80513	20.0	175	258	8.8
27...	1006	9	80513	80513	30.0	175	258	8.8
27...	1008	9	80513	80513	40.0	175	258	8.8
27...	1010	9	80513	80513	50.0	175	258	8.8
27...	1012	9	80513	80513	60.0	175	258	8.8
27...	1014	9	80513	80513	70.0	175	258	8.8
27...	1016	9	80513	80513	80.0	175	258	8.7
27...	1018	9	80513	80513	90.0	175	258	8.7
27...	1020	9	80513	80513	100	175	260	8.7
27...	1022	9	80513	80513	110	175	260	8.7
27...	1024	9	80513	80513	120	175	260	8.7
27...	1026	9	80513	80513	130	175	260	8.7
27...	1028	9	80513	80513	140	175	260	8.7
27...	1030	9	80513	80513	150	175	260	8.7
27...	1032	9	80513	80513	160	175	260	8.6
27...	1034	9	80513	80513	170	175	260	8.6
27...	1035	9	80513	80513	175	175	260	8.6

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
MAR							
27...	1000	8.0	160	4.1	12.1	106	735
27...	1002	7.5	--	--	12.1	--	--
27...	1004	7.0	--	--	12.1	--	--
27...	1006	7.0	--	--	12.1	--	--
27...	1008	7.0	--	--	12.0	--	--
27...	1010	7.0	--	--	12.0	--	--
27...	1012	7.0	--	--	12.0	--	--
27...	1014	6.5	--	--	11.9	--	--
27...	1016	6.5	--	--	11.9	--	--
27...	1018	6.5	--	--	11.8	--	--
27...	1020	6.5	--	--	11.8	--	--
27...	1022	6.5	--	--	11.8	--	--
27...	1024	6.5	--	--	11.8	--	--
27...	1026	6.5	--	--	11.8	--	--
27...	1028	6.5	--	--	11.7	--	--
27...	1030	6.0	--	--	11.5	--	--
27...	1032	6.0	--	--	11.4	--	--
27...	1034	6.0	--	--	11.3	--	--
27...	1035	6.0	--	--	11.2	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
APR								
25...	0910	9	80513	80513	.00	175	255	8.7
25...	0912	9	80513	80513	10.0	175	255	8.7
25...	0914	9	80513	80513	20.0	175	255	8.7
25...	0916	9	80513	80513	30.0	175	255	8.7
25...	0918	9	80513	80513	40.0	175	255	8.7
25...	0920	9	80513	80513	50.0	175	260	8.8
25...	0922	9	80513	80513	60.0	175	260	8.8
25...	0924	9	80513	80513	70.0	175	260	8.8
25...	0926	9	80513	80513	80.0	175	260	8.8
25...	0928	9	80513	80513	90.0	175	260	8.7
25...	0930	9	80513	80513	100	175	260	8.7
25...	0932	9	80513	80513	110	175	260	8.7
25...	0934	9	80513	80513	120	175	255	8.7
25...	0936	9	80513	80513	130	175	255	8.6
25...	0938	9	80513	80513	140	175	255	8.6
25...	0940	9	80513	80513	150	175	255	8.6
25...	0942	9	80513	80513	160	175	255	8.5
25...	0944	9	80513	80513	170	175	255	8.5
25...	0945	9	80513	80513	175	175	255	8.5

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
APR							
25...	0910	12.0	156	4.0	10.6	101	741
25...	0912	11.0	--	--	10.7	--	--
25...	0914	11.0	--	--	10.8	--	--
25...	0916	11.0	--	--	11.0	--	--
25...	0918	10.5	--	--	11.2	--	--
25...	0920	10.5	--	--	11.4	--	--
25...	0922	10.5	--	--	11.5	--	--
25...	0924	10.5	--	--	11.6	--	--
25...	0926	10.0	--	--	11.6	--	--
25...	0928	10.0	--	--	11.6	--	--
25...	0930	9.5	--	--	11.6	--	--
25...	0932	9.0	--	--	11.6	--	--
25...	0934	8.0	--	--	11.5	--	--
25...	0936	7.5	--	--	11.5	--	--
25...	0938	7.0	--	--	11.3	--	--
25...	0940	6.5	--	--	11.1	--	--
25...	0942	6.5	--	--	10.9	--	--
25...	0944	6.5	--	--	10.8	--	--
25...	0945	6.5	--	--	10.8	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
MAY											
23...	1630	9	80513	80513	.00	177	260	8.5	24.0	20.5	220
23...	1631	9	80513	80010	3.00	177	--	--	--	--	--
23...	1632	9	80513	80513	10.0	177	260	8.4	--	20.0	--
23...	1634	9	80513	80513	20.0	177	260	8.5	--	20.0	--
23...	1636	9	80513	80513	22.0	177	260	8.6	--	19.0	--
23...	1638	9	80513	80513	23.0	177	255	8.6	--	17.5	--
23...	1639	9	80513	80513	24.0	177	255	8.6	--	16.5	--
23...	1640	9	80513	80010	25.0	177	255	8.5	--	15.5	--
23...	1642	9	80513	80513	30.0	177	255	8.4	--	14.5	--
23...	1644	9	80513	80513	40.0	177	255	8.2	--	13.5	--
23...	1646	9	80513	80513	50.0	177	255	8.1	--	12.5	--
23...	1648	9	80513	80513	60.0	177	255	8.1	--	12.0	--
23...	1650	9	80513	80513	70.0	177	255	8.0	--	11.0	--
23...	1652	9	80513	80513	80.0	177	255	8.0	--	10.5	--
23...	1654	9	80513	80513	90.0	177	255	8.0	--	10.0	--
23...	1655	9	80513	80010	100	177	255	8.0	--	9.5	--
23...	1658	9	80513	80513	110	177	255	8.0	--	9.0	--
23...	1700	9	80513	80513	120	177	255	8.0	--	8.5	--
23...	1702	9	80513	80513	130	177	255	7.9	--	7.5	--
23...	1704	9	80513	80513	140	177	250	7.9	--	7.0	--
23...	1706	9	80513	80513	150	177	250	7.8	--	6.5	--
23...	1708	9	80513	80513	160	177	255	7.8	--	6.5	--
23...	1709	9	80513	80513	170	177	255	7.8	--	6.5	--
23...	1710	9	80513	80513	177	177	255	7.7	--	6.5	--

BEST COPY AVAILABLE

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
MAY										
23...	1630	5.6	10.2	115	752	--	--	--	0	--
23...	1631	--	--	--	752	--	--	--	--	--
23...	1632	--	10.4	--	--	--	--	--	--	--
23...	1634	--	10.4	--	--	--	--	--	--	--
23...	1636	--	10.6	--	--	--	--	--	--	--
23...	1638	--	11.4	--	--	--	--	--	--	--
23...	1639	--	11.6	--	--	--	--	--	--	--
23...	1640	--	11.4	116	752	<1	<1.0	.6	--	130
23...	1642	--	10.4	--	--	--	--	--	--	--
23...	1644	--	9.2	--	--	--	--	--	--	--
23...	1646	--	9.0	--	--	--	--	--	--	--
23...	1648	--	9.0	--	--	--	--	--	--	--
23...	1650	--	9.0	--	--	--	--	--	--	--
23...	1652	--	9.1	--	--	--	--	--	--	--
23...	1654	--	9.2	--	--	--	--	--	--	--
23...	1655	--	9.3	83	752	3	<1.0	.7	--	130
23...	1658	--	9.3	--	--	--	--	--	--	--
23...	1700	--	9.4	--	--	--	--	--	--	--
23...	1702	--	9.2	--	--	--	--	--	--	--
23...	1704	--	9.2	--	--	--	--	--	--	--
23...	1706	--	9.0	--	--	--	--	--	--	--
23...	1708	--	8.6	--	--	--	--	--	--	--
23...	1709	--	8.5	--	--	--	--	--	--	--
23...	1710	--	8.1	--	--	--	--	--	--	--

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY										
23...	1631	.300	.070	1.5	1.6	1.9	<.010	<.010	<.100	<.100
23...	1640	.200	.120	.58	.70	.90	<.010	<.010	--	--
23...	1655	.200	.040	1.1	1.1	1.3	<.010	<.010	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
JUN								
27...	0900	9	80513	80513	.00	177	265	8.7
27...	0902	9	80513	80513	10.0	177	265	8.7
27...	0904	9	80513	80513	14.0	177	260	8.7
27...	0906	9	80513	80513	16.0	177	260	8.7
27...	0908	9	80513	80513	18.0	177	260	8.7
27...	0910	9	80513	80513	20.0	177	260	8.7
27...	0912	9	80513	80513	22.0	177	260	8.8
27...	0914	9	80513	80513	23.0	177	260	8.8
27...	0916	9	80513	80513	24.0	177	265	8.8
27...	0918	9	80513	80513	26.0	177	265	8.7
27...	0920	9	80513	80513	28.0	177	265	8.7
27...	0922	9	80513	80513	30.0	177	270	8.6
27...	0924	9	80513	80513	33.0	177	270	8.6
27...	0926	9	80513	80513	38.0	177	270	8.4
27...	0928	9	80513	80513	40.0	177	270	8.4
27...	0930	9	80513	80513	50.0	177	270	8.2
27...	0932	9	80513	80513	60.0	177	270	8.2
27...	0934	9	80513	80513	70.0	177	270	8.1
27...	0936	9	80513	80513	80.0	177	270	8.1
27...	0938	9	80513	80513	90.0	177	270	8.1
27...	0940	9	80513	80513	100	177	270	8.1
27...	0942	9	80513	80513	110	177	270	8.1
27...	0944	9	80513	80513	120	177	270	8.1
27...	0946	9	80513	80513	130	177	270	8.1
27...	0948	9	80513	80513	140	177	265	8.1
27...	0950	9	80513	80513	150	177	265	8.0
27...	0952	9	80513	80513	160	177	265	8.0
27...	0954	9	80513	80513	170	177	265	7.9
27...	0955	9	80513	80513	177	177	270	7.9

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
27...	0900	27.0	222	5.6	8.4	108	744
27...	0902	27.0	--	--	8.4	--	--
27...	0904	26.0	--	--	10.6	--	--
27...	0906	25.0	--	--	11.1	--	--
27...	0908	24.0	--	--	11.5	--	--
27...	0910	23.0	--	--	11.5	--	--
27...	0912	22.0	--	--	11.4	--	--
27...	0914	21.0	--	--	10.9	--	--
27...	0916	20.0	--	--	10.6	--	--
27...	0918	19.0	--	--	10.1	--	--
27...	0920	18.0	--	--	9.6	--	--
27...	0922	17.0	--	--	9.1	--	--
27...	0924	16.0	--	--	8.7	--	--
27...	0926	15.0	--	--	8.0	--	--
27...	0928	14.5	--	--	7.7	--	--
27...	0930	13.5	--	--	7.0	--	--
27...	0932	12.5	--	--	6.7	--	--
27...	0934	12.0	--	--	6.8	--	--
27...	0936	11.5	--	--	7.0	--	--
27...	0938	11.0	--	--	7.2	--	--
27...	0940	10.5	--	--	7.4	--	--
27...	0942	10.0	--	--	7.5	--	--
27...	0944	9.5	--	--	7.5	--	--
27...	0946	8.5	--	--	7.5	--	--
27...	0948	7.5	--	--	7.4	--	--
27...	0950	7.5	--	--	7.2	--	--
27...	0952	7.0	--	--	7.1	--	--
27...	0954	7.0	--	--	6.7	--	--
27...	0955	7.0	--	--	5.0	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
18...	0900	9	80513	80513	.00	175	235	8.7	28.5	230
18...	0901	9	80513	80010	3.00	175	235	8.7	28.5	--
18...	0902	9	80513	80513	10.0	175	235	8.6	28.5	--
18...	0904	9	80513	80513	20.0	175	235	8.6	28.5	--
18...	0906	9	80513	80513	25.0	175	230	8.7	27.5	--
18...	0908	9	80513	80513	26.0	175	225	6.7	25.5	--
18...	0910	9	80513	80513	27.0	175	225	8.7	23.5	--
18...	0912	9	80513	80513	28.0	175	225	8.7	22.5	--
18...	0914	9	80513	80513	30.0	175	230	8.7	21.5	--
18...	0916	9	80513	80513	32.0	175	240	8.6	20.5	--
18...	0918	9	80513	80513	34.0	175	240	8.6	19.5	--
18...	0920	9	80513	80513	36.0	175	245	8.6	18.5	--
18...	0922	9	80513	80513	38.0	175	245	8.6	17.5	--
18...	0924	9	80513	80513	40.0	175	245	8.5	17.0	--
18...	0926	9	80513	80513	43.0	175	250	8.4	16.0	--
18...	0928	9	80513	80513	50.0	175	250	8.3	15.0	--
18...	0930	9	80513	80513	60.0	175	250	8.1	14.0	--
18...	0932	9	80513	80513	70.0	175	250	8.1	13.0	--
18...	0934	9	80513	80513	80.0	175	250	8.1	12.0	--
18...	0936	9	80513	80513	90.0	175	250	8.0	11.5	--
18...	0938	9	80513	80513	100	175	250	8.0	11.0	--
18...	0940	9	80513	80513	110	175	250	8.0	10.0	--
18...	0942	9	80513	80513	120	175	250	8.0	9.0	--
18...	0944	9	80513	80513	130	175	250	8.0	8.5	--
18...	0946	9	80513	80513	140	175	250	8.0	8.0	--
18...	0948	9	80513	80513	150	175	250	8.0	7.5	--
18...	0950	9	80513	80513	160	175	250	8.0	7.5	--
18...	0952	9	80513	80513	170	175	250	8.0	7.0	--
18...	0955	9	80513	80513	175	175	255	7.9	7.0	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL									
18...	0900	5.8	7.8	103	748	--	--	--	--
18...	0901	--	7.8	103	748	<.010	<.010	.600	<.100
18...	0902	--	7.8	--	--	--	--	--	--
18...	0904	--	7.8	--	--	--	--	--	--
18...	0906	--	10.4	--	--	--	--	--	--
18...	0908	--	13.2	--	--	--	--	--	--
18...	0910	--	13.7	--	--	--	--	--	--
18...	0912	--	13.6	--	--	--	--	--	--
18...	0914	--	13.2	--	--	--	--	--	--
18...	0916	--	10.9	--	--	--	--	--	--
18...	0918	--	10.1	--	--	--	--	--	--
18...	0920	--	9.4	--	--	--	--	--	--
18...	0922	--	8.8	--	--	--	--	--	--
18...	0924	--	8.5	--	--	--	--	--	--
18...	0926	--	7.9	--	--	--	--	--	--
18...	0928	--	7.2	--	--	--	--	--	--
18...	0930	--	6.4	--	--	--	--	--	--
18...	0932	--	6.1	--	--	--	--	--	--
18...	0934	--	6.2	--	--	--	--	--	--
18...	0936	--	6.4	--	--	--	--	--	--
18...	0938	--	6.8	--	--	--	--	--	--
18...	0940	--	7.1	--	--	--	--	--	--
18...	0942	--	7.1	--	--	--	--	--	--
18...	0944	--	6.9	--	--	--	--	--	--
18...	0946	--	6.7	--	--	--	--	--	--
18...	0948	--	6.7	--	--	--	--	--	--
18...	0950	--	6.4	--	--	--	--	--	--
18...	0952	--	5.8	--	--	--	--	--	--
18...	0955	--	5.0	--	--	--	--	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)
AUG									
15...	1750	9	80513	80513	.00	175	245	8.7	31.0
15...	1751	9	80513	80010	3.00	175	--	--	--
15...	1752	9	80513	80513	10.0	175	245	8.7	--
15...	1754	9	80513	80513	18.0	175	245	8.7	--
15...	1756	9	80513	80513	20.0	175	240	8.7	--
15...	1758	9	80513	80513	22.0	175	240	8.7	--
15...	1759	9	80513	80513	24.0	175	230	8.7	--
15...	1800	9	80513	80010	25.0	175	230	8.7	--
15...	1802	9	80513	80513	26.0	175	230	8.7	--
15...	1804	9	80513	80513	27.0	175	235	8.7	--
15...	1806	9	80513	80513	30.0	175	235	8.6	--
15...	1808	9	80513	80513	32.0	175	245	8.6	--
15...	1810	9	80513	80513	34.0	175	250	8.5	--
15...	1812	9	80513	80513	36.0	175	255	8.5	--
15...	1814	9	80513	80513	40.0	175	260	8.3	--
15...	1816	9	80513	80513	50.0	175	260	8.1	--
15...	1818	9	80513	80513	60.0	175	260	7.9	--
15...	1820	9	80513	80513	70.0	175	260	7.9	--
15...	1822	9	80513	80513	80.0	175	255	7.8	--
15...	1824	9	80513	80513	90.0	175	255	7.8	--
15...	1825	9	80513	80010	100	175	255	7.8	--
15...	1826	9	80513	80513	110	175	255	7.8	--
15...	1828	9	80513	80513	120	175	260	7.8	--
15...	1830	9	80513	80513	130	175	260	7.7	--
15...	1832	9	80513	80513	140	175	260	7.7	--
15...	1834	9	80513	80513	150	175	260	7.7	--
15...	1836	9	80513	80513	160	175	260	7.6	--
15...	1838	9	80513	80513	170	175	260	7.6	--
15...	1840	9	80513	80513	175	175	265	7.6	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
AUG									
15...	1750	28.5	253	6.4	8.0	105	749	--	--
15...	1751	--	--	--	--	--	749	--	--
15...	1752	28.5	--	--	8.1	--	--	--	--
15...	1754	27.5	--	--	9.0	--	--	--	--
15...	1756	26.5	--	--	9.2	--	--	--	--
15...	1758	25.5	--	--	11.9	--	--	--	--
15...	1759	24.5	--	--	14.8	--	--	--	--
15...	1800	24.0	--	--	15.4	186	749	3	.20
15...	1802	23.0	--	--	15.2	--	--	--	--
15...	1804	22.0	--	--	15.0	--	--	--	--
15...	1806	21.0	--	--	13.6	--	--	--	--
15...	1808	20.0	--	--	11.7	--	--	--	--
15...	1810	19.0	--	--	10.8	--	--	--	--
15...	1812	18.0	--	--	9.4	--	--	--	--
15...	1814	17.0	--	--	7.6	--	--	--	--
15...	1816	16.0	--	--	5.9	--	--	--	--
15...	1818	15.0	--	--	4.7	--	--	--	--
15...	1820	14.0	--	--	4.5	--	--	--	--
15...	1822	13.0	--	--	4.7	--	--	--	--
15...	1824	12.0	--	--	4.9	--	--	--	--
15...	1825	11.5	--	--	5.2	49	749	2	.50
15...	1826	11.0	--	--	5.4	--	--	--	--
15...	1828	10.0	--	--	5.7	--	--	--	--
15...	1830	9.5	--	--	5.5	--	--	--	--
15...	1832	9.0	--	--	5.1	--	--	--	--
15...	1834	8.0	--	--	4.2	--	--	--	--
15...	1836	7.0	--	--	4.0	--	--	--	--
15...	1838	6.0	--	--	3.1	--	--	--	--
15...	1840	6.0	--	--	1.7	--	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
15...	1750	--	0	--	--	--	--	--	--
15...	1751	--	--	--	--	--	--	<.100	<.100
15...	1800	.9	--	114	<.100	<.010	<.010	--	--
15...	1825	.6	--	128	.400	<.010	<.010	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
SEP										
19...	0930	9	80513	80513	.00	172	230	8.9	24.0	223
19...	0931	9	80513	80010	3.00	172	230	8.9	24.0	--
19...	0932	9	80513	80513	10.0	172	230	8.9	24.0	--
19...	0934	9	80513	80513	20.0	172	230	8.9	24.0	--
19...	0936	9	80513	80513	30.0	172	235	8.8	23.0	--
19...	0938	9	80513	80513	32.0	172	240	8.8	22.0	--
19...	0940	9	80513	80513	33.0	172	240	8.8	21.0	--
19...	0942	9	80513	80513	36.0	172	245	8.7	20.0	--
19...	0944	9	80513	80513	40.0	172	250	8.6	19.0	--
19...	0946	9	80513	80513	43.0	172	255	8.4	18.0	--
19...	0948	9	80513	80513	47.0	172	260	8.2	17.0	--
19...	0950	9	80513	80513	50.0	172	260	8.1	16.5	--
19...	0952	9	80513	80513	60.0	172	260	8.0	15.5	--
19...	0954	9	80513	80513	70.0	172	260	8.0	14.5	--
19...	0956	9	80513	80513	80.0	172	260	8.0	14.0	--
19...	0958	9	80513	80513	90.0	172	255	8.0	13.0	--
19...	1000	9	80513	80513	100	172	255	8.0	12.5	--
19...	1002	9	80513	80513	110	172	255	8.0	11.5	--
19...	1004	9	80513	80513	120	172	255	8.0	11.0	--
19...	1006	9	80513	80513	130	172	255	8.0	10.0	--
19...	1008	9	80513	80513	140	172	255	7.9	9.5	--
19...	1010	9	80513	80513	150	172	260	7.9	9.0	--
19...	1012	9	80513	80513	160	172	260	7.9	8.5	--
19...	1014	9	80513	80513	170	172	260	7.8	8.0	--
19...	1015	9	80513	80513	172	172	260	7.8	8.0	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP									
19...	0930	5.7	8.5	102	752	--	--	--	--
19...	0931	--	8.5	102	752	<.010	<.010	.900	<.100
19...	0932	--	8.5	--	--	--	--	--	--
19...	0934	--	8.4	--	--	--	--	--	--
19...	0936	--	10.0	--	--	--	--	--	--
19...	0938	--	11.1	--	--	--	--	--	--
19...	0940	--	11.1	--	--	--	--	--	--
19...	0942	--	10.4	--	--	--	--	--	--
19...	0944	--	8.3	--	--	--	--	--	--
19...	0946	--	6.5	--	--	--	--	--	--
19...	0948	--	4.2	--	--	--	--	--	--
19...	0950	--	3.3	--	--	--	--	--	--
19...	0952	--	2.3	--	--	--	--	--	--
19...	0954	--	2.5	--	--	--	--	--	--
19...	0956	--	2.9	--	--	--	--	--	--
19...	0958	--	3.3	--	--	--	--	--	--
19...	1000	--	3.6	--	--	--	--	--	--
19...	1002	--	3.9	--	--	--	--	--	--
19...	1004	--	3.9	--	--	--	--	--	--
19...	1006	--	3.7	--	--	--	--	--	--
19...	1008	--	2.9	--	--	--	--	--	--
19...	1010	--	2.0	--	--	--	--	--	--
19...	1012	--	1.3	--	--	--	--	--	--
19...	1014	--	.3	--	--	--	--	--	--
19...	1015	--	.3	--	--	--	--	--	--

07054501 WHITE RIVER AT BULL SHOALS DAM, NEAR FLIPPIN, AR

LOCATION.--Lat 36°21'56", long 92°34'29", in NW 1/4 sec.21, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, at dam on White River, 11.9 mi upstream from gaging station, 6.3 mi northwest of Flippin, 12.5 mi downstream from Little North Fork, and at mile 418.6.

DRAINAGE AREA.--6,051 mi^2.

PERIOD OF RECORD.--July 1954 to September 1968, October 1970 to September 1971, December 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1954 to September 1964.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 18...	1530	9	80513	80513	1300	265	7.6	13.0	3.9
NOV 15...	0840	9	80513	80513	1260	160	7.7	13.0	4.0

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC 08...	1720	9	80513	80010	14800	225	7.9	13.0	12.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)
DEC 08...	1720	9.1	85	753	3	1.4	.8	1	130

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC 08...	1720	11	11	36	90	10	120	6.0	7.0

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
DEC 08...	1720	.200	.130	<.10	.030	<.010	120	60

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 24...	1650	9	80513	80513	1210	265	8.3	5.0	11.6
FEB 14...	1150	9	80513	80513	760	275	8.6	6.0	13.8
MAR 27...	0930	9	80513	80513	18500	260	8.7	6.5	11.8
APR 25...	1000	9	80513	80513	20000	250	8.6	8.5	10.4

07054501 WHITE RIVER AT BULL SHOALS DAM NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
MAY 23...	1720	9	80513	80010	6690	255	8.1	24.5	9.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY 23...	1720	9.2	80	757	2	<1.0	.5	3	120

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 23...	1720	.600	.080	.72	.80	1.4	<.010	<.010

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 27...	0830	9	80513	80513	2340	265	7.9	9.5	9.2
JUL 18...	0950	9	80513	80513	4540	255	8.2	10.5	9.3

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG 15...	1830	9	80513	80010	7980	255	7.9	29.5	11.0	5.4	50

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 15...	1830	754	2	.20	1.2	1	124	.400	<.010	<.010

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 19...	1030	9	80513	80513	1870	260	8.2	11.5	7.1

07055565 CROOKED CREEK AT HARRISON, AR

LOCATION.--Lat 36°14'04", long 93°05'26", in SW 1/4 SE 1/4 sec.3, T.18 N., R.20 W., Boone County, Hydrologic Unit 11110003, at bridge on U.S. Highway 65 bypass in Harrison.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
NOV, 1983											
21...	1300	9	9827	9827	7.6	24.0	14.0	7.0	10.2	5	1.5
JAN, 1984											
24...	1345	9	9827	9827	7.7	13.0	7.0	4.6	14.6	2	1.3
FEB											
07...	1250	9	9827	9827	7.6	17.0	8.0	3.0	13.3	7	2.1
MAR											
06...	1320	9	9827	9827	7.4	15.0	10.0	15	10.8	6	1.3
20...	1240	9	9827	9827	7.6	15.0	11.0	8.4	11.3	<1	1.6
APR											
17...	1300	9	9827	9827	7.8	18.0	15.0	3.0	12.9	3	1.1
MAY											
15...	1535	9	9827	9827	7.8	24.0	19.0	4.0	11.0	5	1.4
JUN											
12...	1315	9	9827	9827	7.7	33.0	25.0	6.8	9.6	3	1.7
JUL											
24...	1050	9	9827	9827	7.7	31.0	22.0	20	8.7	<1	2.0
AUG											
21...	1110	9	9827	9827	7.6	33.0	23.0	20	8.8	4	2.1
SEP											
18...	1110	9	9827	9827	7.8	27.0	18.0	20	8.9	4	1.5

DATE	TIME	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV, 1983										
21...	1300	130	5.0	8.0	200	.27	10	1.2	<.010	--
JAN, 1984										
24...	1345	28	5.0	13	203	.28	6	1.8	.060	--
FEB										
07...	1250	24	7.0	9.0	207	.28	6	1.6	.010	.69
MAR										
06...	1320	490	7.0	5.5	148	.20	20	1.5	.050	.55
20...	1240	510	5.0	4.5	140	.19	6	1.3	.070	--
APR										
17...	1300	10	4.0	4.5	168	.23	3	1.3	.030	--
MAY										
15...	1535	240	11	4.5	184	.25	6	1.1	<.010	--
JUN										
12...	1315	100	3.0	6.0	195	.27	15	3.4	.010	.39
JUL										
24...	1050	1500	5.0	6.5	208	.28	24	1.4	.060	--
AUG										
21...	1110	2200	4.0	7.5	191	.26	20	1.5	.040	--
SEP										
18...	1110	12	3.0	6.5	219	.30	19	1.5	.030	--

07055565 CROOKED CREEK AT HARRISON, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
NOV, 1983										
21...	1300	.20	1.4	6.2	.040	.030	0	<1	<10	1
JAN, 1984										
24...	1345	<.10	--	--	.040	.040	0	<1	<10	<1
FEB										
07...	1250	.70	2.3	10	.040	.070	0	<1	<10	<1
MAR										
06...	1320	.60	2.1	9.3	.080	--	0	<1	<10	<1
20...	1240	<.10	--	--	--	.020	--	<1	<10	<1
APR										
17...	1300	--	--	--	.030	.010	--	2	<10	<1
MAY										
15...	1535	.10	1.2	5.3	.040	.010	0	<1	<10	<1
JUN										
12...	1315	.40	3.8	17	--	.040	--	<1	<10	<1
JUL										
24...	1050	--	--	--	.060	.040	0	1	--	<1
AUG										
21...	1110	--	--	--	.050	.030	0	2	<10	<1
SEP										
18...	1110	<.10	--	--	.050	.030	--	2	<10	<1

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983										
21...	1300	10	--	--	--	--	--	--	--	--
JAN, 1984										
24...	1345	0	--	--	--	--	--	--	--	--
FEB										
07...	1250	10	--	--	--	--	--	--	--	--
MAR										
06...	1320	0	--	--	--	--	--	--	--	--
20...	1240	0	--	--	--	--	--	--	--	--
APR										
17...	1300	0	--	--	--	--	--	--	--	--
JUN										
12...	1315	0	--	--	--	--	--	--	--	--
JUL										
24...	1050	0	--	--	--	--	--	--	--	--
AUG										
21...	1110	0	--	--	--	--	--	--	--	--
SEP										
18...	1110	10	.000	.000	.000	.000	.000	.00	.00	.0

07055569 CROOKED CREEK NEAR HARRISON, AR

LOCATION.--Lat 36°14'38" long 93°04'38", in SE 1/4 NW 1/4 sec.2, T.18 N., R.20 W., Boone County, Hydrologic Unit 11110003, at bridge on U.S. Highway 65 near Harrison.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
NOV, 1983											
21...	1350	9	9827	9827	7.7	23.0	14.0	5.0	10.4	9	2.1
JAN, 1984											
24...	1400	9	9827	9827	7.7	9.0	7.0	15	12.1	15	2.2
FEB											
07...	1320	9	9827	9827	7.7	19.0	7.0	4.0	12.6	20	2.1
MAR											
06...	1340	9	9827	9827	7.5	10.0	11.0	20	11.1	8	1.1
20...	1300	9	9827	9827	7.7	15.0	11.0	9.6	11.3	2	2.0
APR											
17...	1320	9	9827	9827	8.0	18.0	15.0	3.0	13.5	3	.6
MAY											
15...	1600	9	9827	9827	7.8	20.0	19.0	6.0	10.5	6	1.8
JUN											
12...	1335	9	9827	9827	7.7	33.0	26.0	6.8	10.0	7	2.9
JUL											
24...	1105	9	9827	9827	7.8	28.0	24.0	9.6	7.2	11	2.4
AUG											
21...	1130	9	9827	9827	7.6	32.0	25.0	20	6.9	69	1.4
SEP											
18...	1125	9	9827	9827	7.9	20.0	18.0	7.0	8.0	9	1.7

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV, 1983										
21...	1350	1100	10	13	216	.29	8	3.8	.090	--
JAN, 1984										
24...	1400	--	12	26	237	.32	14	1.4	1.15	.85
FEB										
07...	1320	<4	16	19	229	.31	<1	1.9	2.00	4.5
MAR										
06...	1340	<4	6.0	5.5	144	.20	13	1.7	.080	.32
20...	1300	<4	6.0	5.5	147	.20	10	1.5	.120	-.02
APR										
17...	1320	<10	5.0	6.5	174	.24	6	1.6	.080	--
MAY										
15...	1600	10	13	7.5	203	.28	10	1.7	.090	--
JUN										
12...	1335	1000	7.0	11	222	.30	13	2.3	.160	.44
JUL										
24...	1105	640	10	13	222	.30	18	2.1	.060	--
AUG										
21...	1130	44	8.0	17	216	.29	24	2.0	.060	--
SEP										
18...	1125	630	6.0	11	226	.31	12	2.0	.050	--

07055569 CROOKED CREEK NEAR HARRISON, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
NOV, 1983 21...	1350	<.10	--	--	.620	.530	0	<1	<10	2
JAN, 1984 24...	1400	2.0	3.4	15	.600	.510	0	2	<10	3
FEB 07...	1320	6.5	8.4	37	.850	.820	0	<1	<10	<1
MAR 06...	1340	.40	2.1	9.3	.110	--	0	<1	<10	<1
20...	1300	.10	1.6	7.1	--	.080	--	<1	<10	<1
APR 17...	1320	--	--	--	.160	.130	--	14	<10	<1
MAY 15...	1600	--	--	--	.370	.290	0	1	<10	<1
JUN 12...	1335	.60	2.9	13	--	.610	--	1	<10	2
JUL 24...	1105	<.10	--	--	.500	.440	0	1	--	2
AUG 21...	1130	--	--	--	.620	.610	0	2	<10	<1
SEP 18...	1125	<.10	--	--	.480	.410	--	2	<10	<1

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983 21...	1350	0	--	--	--	--	--	--	--	--
JAN, 1984 24...	1400	0	--	--	--	--	--	--	--	--
FEB 07...	1320	20	--	--	--	--	--	--	--	--
MAR 06...	1340	0	--	--	--	--	--	--	--	--
20...	1300	0	--	--	--	--	--	--	--	--
APR 17...	1320	0	--	--	--	--	--	--	--	--
JUN 12...	1335	0	--	--	--	--	--	--	--	--
JUL 24...	1105	10	--	--	--	--	--	--	--	--
AUG 21...	1130	0	--	--	--	--	--	--	--	--
SEP 18...	1125	20	.000	.000	.000	.000	.000	.00	<.01	.0

BEST COPY AVAILABLE

07055608 CROOKED CREEK AT YELLVILLE, AR

LOCATION.--Lat 36°13'23", long 92°40'47", in NW 1/4 NE 1/4 sec.9, T.18 N., R.16 W., Marion County, Hydrologic Unit 11010003, at bridge on State Highway 14 at Yellville.

PERIOD OF RECORD.--October 1979 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT, 1983										
18...	0830	9	9827	9827	--	7.9	16.0	17.0	1.6	8.3
NOV										
08...	1215	9	9827	9827	24	8.0	14.0	13.0	1.6	10.2
DEC										
13...	1315	9	9827	9827	630	8.1	5.0	7.0	7.0	11.9
JAN, 1984										
10...	1230	9	9827	9827	3800	8.0	16.0	14.0	6.5	10.4
17...	1230	9	9827	9827	240	8.1	-3.0	1.0	1.0	--
FEB										
14...	1300	9	9827	9827	710	8.1	17.0	10.0	9.0	11.3
MAR										
13...	1200	9	9827	9827	500	8.0	12.0	10.0	3.4	11.6
MAY										
08...	1230	9	9827	9827	1500	7.8	18.0	15.0	35	9.2
JUN										
05...	1400	9	9827	9827	120	8.2	34.0	25.0	3.2	10.3
JUL										
17...	1330	9	9827	9827	80	8.1	41.0	30.0	5.0	10.5
AUG										
14...	1335	9	9827	9827	.00	8.2	31.0	27.0	2.8	12.2
SEP										
11...	1230	9	9827	9827	.00	7.8	30.0	27.0	--	5.4

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
18...	0830	2.6	40	6.0	8.0	179	.24	2	.06
NOV									
08...	1215	1.6	20	2.0	9.5	200	.27	2	--
DEC									
13...	1315	1.5	64	5.0	7.0	213	.29	11	.88
JAN, 1984									
10...	1230	.3	250	3.0	3.0	168	.23	12	.69
17...	1230	1.9	<4	5.0	8.0	194	.26	2	.60
FEB									
14...	1300	1.6	130	8.0	6.0	177	.24	15	1.1
MAR									
13...	1200	.4	12	6.0	4.5	192	.26	8	--
MAY									
08...	1230	2.1	3900	--	4.5	385	.52	55	.87
JUN									
05...	1400	2.0	28	6.0	7.0	184	.25	9	.27
JUL									
17...	1330	1.6	80	9.0	7.5	176	.24	1	.30
AUG									
14...	1335	1.6	16	7.0	10	172	.23	6	.08
SEP									
11...	1230	.7	>600	3.0	11	179	.23	3	.22

07055608 CROOKED CREEK AT YELLVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
18...	0830	.010	.030	<.010	0	<1	<10	<1	0
NOV									
08...	1215	.090	.040	.010	0	1	23	5	0
DEC									
13...	1315	.010	.020	<.010	0	1	<10	7	10
JAN, 1984									
10...	1230	.010	.080	.050	0	1	15	15	--
17...	1230	<.010	<.010	.010	0	2	3	2	0
FEB									
14...	1300	<.010	.040	.020	2	<1	58	3	50
MAR									
13...	1200	<.010	.080	--	0	<1	110	26	60
MAY									
08...	1230	.060	.080	.010	0	1	--	22	--
JUN									
05...	1400	.060	.030	<.010	--	<1	<10	4	0
JUL									
17...	1330	<.010	.050	.020	0	12	13	7	10
AUG									
14...	1335	<.010	.020	.020	0	<1	17	17	30
SEP									
11...	1230	<.010	.030	.010	0	<1	30	7	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
SEP, 1984									
11...	1230	.000	.000	.000	.000	.000	.00	<.10	.0

BEST COPY AVAILABLE

07056000 BUFFALO RIVER NEAR ST. JOE, AR

LOCATION.--Lat 35°59'02", long 92°44'44", in SW 1/4 SW 1/4 sec.36, T.16 N., R.17 W., Searcy County, Hydrologic Unit 11010005, near right bank on downstream side of bridge on U.S. Highway 65, 1.6 mi downstream from Mill Creek, 5.4 mi upstream from Bear Creek, 4.5 mi southeast of St. Joe, and at mile 58.3.

DRAINAGE AREA.--829 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year.

REVISED RECORDS.--WSP 1211: 1945(M), 1949(M). WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 560.35 ft National Geodetic Vertical Datum of 1929. Prior to Mar. 1, 1940, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years, 1,023 ft^3/s, 16.76 in/yr, 741,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 158,000 ft^3/s Dec. 3, 1982, gage height, 53.75 ft from rating curve extended above 91,000 ft^3/s; minimum, 6.6 ft^3/s Sept. 16, 17, 20, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, 50.5 ft in August 1915, from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Mar. 5	0330	13,600	15.88
May 7	2230	*40,200	27.41

Minimum discharge, 26 ft3/s Oct. 1, 2, 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	31	421	170	236	1590	2120	1020	872	169	49	39
2	26	31	361	160	232	2100	1850	909	737	157	50	39
3	27	31	550	148	230	3200	2550	940	645	146	52	38
4	29	31	1320	146	229	5520	2640	1100	583	138	49	36
5	31	30	1150	150	221	10800	2150	1050	537	130	50	36
6	31	31	883	161	213	4900	1770	5180	503	123	56	36
7	31	31	667	167	209	3120	1460	23100	531	114	58	37
8	31	31	539	171	203	2280	1990	20900	578	108	56	36
9	31	31	451	175	198	1700	4670	6650	529	102	58	35
10	31	30	398	192	194	1280	3780	4190	471	97	55	34
11	31	30	1280	215	188	1080	2870	3010	428	92	53	32
12	31	30	1770	243	2800	1030	2350	2310	394	86	53	31
13	30	30	1220	257	4380	1080	1900	1790	358	84	59	30
14	31	31	994	254	2330	1080	1510	1410	327	82	64	28
15	31	30	815	247	1480	980	1270	1170	298	77	63	30
16	31	30	673	236	1110	1030	1130	1040	276	80	62	29
17	31	31	567	225	918	1360	1010	922	256	76	59	35
18	31	31	484	218	781	2720	894	807	242	74	54	43
19	31	70	434	207	709	2640	799	716	230	73	50	46
20	31	84	400	198	642	2640	725	666	248	71	49	48
21	32	211	370	198	566	2160	2360	647	1640	70	47	48
22	31	202	340	189	506	1680	3880	622	1290	67	46	56
23	31	1310	310	176	455	1360	2650	590	645	64	46	54
24	31	1480	290	176	410	1840	2040	557	428	62	45	98
25	31	856	270	194	370	2510	1610	523	330	61	44	120
26	31	555	250	215	377	2050	1320	508	279	59	43	260
27	31	544	230	227	2170	1740	1150	1460	246	56	42	471
28	31	947	220	240	2570	2410	1000	3060	224	53	41	321
29	31	697	200	248	1860	4680	911	2520	206	50	41	237
30	31	531	190	248	---	3260	1090	1460	186	48	41	186
31	31	---	180	243	---	2530	---	1060	---	46	39	---
TOTAL	945	8038	18227	6295	26787	78350	57449	91887	14517	2715	1574	2569
MEAN	30.5	268	588	203	924	2527	1915	2964	484	87.6	50.8	85.6
MAX	32	1480	1770	257	4380	10800	4670	23100	1640	169	64	471
MIN	26	30	180	146	188	980	725	508	186	46	39	28
CFSM	.04	.32	.71	.24	1.11	3.05	2.31	3.58	.58	.11	.06	.10
IN.	.04	.36	.82	.28	1.20	3.52	2.58	4.12	.65	.12	.07	.12
AC-FT	1870	15940	36150	12490	53130	155400	114000	182300	28790	5390	3120	5100

CAL YR 1983 TOTAL 317551 MEAN 870 MAX 8920 MIN 26 CFSM 1.05 IN. 14.25 AC-FT 629900
WTR YR 1984 TOTAL 309353 MEAN 845 MAX 23100 MIN 26 CFSM 1.02 IN. 13.88 AC-FT 613600

07056000 BUFFALO RIVER NEAR ST. JOE, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-57, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1956 to September 1957.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1983 04...	1005	9	9827	9827	30	7.8	25.0	23.0	2.4	7.5	4
NOV 08...	1315	9	9827	9827	31	8.0	14.0	14.0	1.3	11.9	3
DEC 13...	1415	9	9827	9827	1220	7.7	5.0	8.0	8.0	11.2	6
JAN, 1984 17...	1330	9	9827	9827	224	8.0	-3.0	3.0	3.0	--	6
FEB 14...	1415	9	9827	9827	2330	7.7	23.0	10.0	25	11.0	10
MAR 13...	1300	9	9627	9827	1100	7.6	16.0	11.0	3.3	12.8	<1
APR 10...	1330	9	9827	9827	3780	7.8	19.0	16.0	8.0	11.0	5
MAY 08...	1400	9	9827	9827	19600	7.4	19.0	16.0	100	9.2	20
JUN 05...	1500	9	9827	9827	484	8.3	25.0	25.0	2.2	9.8	5
JUL 17...	1520	9	9327	9827	76	8.0	42.0	31.0	2.0	9.3	2
AUG 14...	1435	9	9827	9827	64	8.4	30.0	29.0	1.6	12.8	2
SEP 11...	1330	9	9827	9827	32	7.9	30.0	27.0	--	8.9	<1

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1983 04...	1005	1.1	<4	--	3.5	139	.19	4	.05	.050	.15
NOV 08...	1315	2.4	<4	2.0	5.0	157	.21	<1	--	.050	--
DEC 13...	1415	1.4	76	6.0	3.5	89	.12	4	.16	<.010	--
JAN, 1984 17...	1330	1.0	<4	5.0	4.5	112	.15	4	.05	<.010	--
FEB 14...	1415	.6	36	7.0	4.0	89	.12	17	.27	<.010	--
MAR 13...	1300	.7	<4	6.0	2.5	94	.13	2	--	.020	.28
APR 10...	1330	1.3	190	3.0	2.0	65	.12	6	.14	.040	.36
MAY 08...	1400	2.8	760	--	2.5	114	.16	144	.20	.060	.34
JUN 05...	1500	1.3	<4	6.0	4.0	104	.14	4	.05	<.010	--
JUL 17...	1520	.4	10	4.0	2.5	128	.17	2	.12	.020	--
AUG 14...	1435	2.1	4	4.0	4.5	129	.18	3	.06	<.010	--
SEP 11...	1339	1.3	<4	3.0	5.0	136	.19	7	.08	.080	.02

07056000 BUFFALO RIVER NEAR ST. JOE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1934

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1983										
04...	1005	.20	.25	1.1	.010	<.010	0	<1	<10	<1
NOV										
08...	1315	<.10	--	--	.030	.010	0	<1	<10	<1
DEC										
13...	1415	--	--	--	.010	<.010	0	<1	<10	1
JAN, 1984										
17...	1330	.10	.15	.66	.010	.010	0	2	12	37
FEB										
14...	1415	--	--	--	.040	.010	0	<1	86	35
MAR										
13...	1300	.30	--	--	.070	--	0	<1	<10	<1
APR										
10...	1330	.40	.54	2.4	.080	.010	0	<1	<10	<1
MAY										
08...	1400	.40	.60	2.7	.160	.030	0	4	--	3
JUN										
05...	1500	1.0	1.1	4.6	.010	<.010	--	<1	<10	6
JUL										
17...	1520	<.10	--	--	.030	.020	0	<1	<10	4
AUG										
14...	1435	.10	.16	.71	.020	<.010	0	<1	<10	<1
SEP										
11...	1330	.10	.18	.80	.030	<.010	0	<1	<10	<1

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
OCT, 1983										
04...	1005	0	--	--	--	--	--	--	--	--
NOV										
08...	1315	10	--	--	--	--	--	--	--	--
DEC										
13...	1415	0	--	--	--	--	--	--	--	--
JAN, 1984										
17...	1330	20	--	--	--	--	--	--	--	--
FEB										
14...	1415	60	--	--	--	--	--	--	--	--
MAR										
13...	1300	0	--	--	--	--	--	--	--	--
JUN										
05...	1500	10	--	--	--	--	--	--	--	--
JUL										
17...	1520	0	--	--	--	--	--	--	--	--
AUG										
14...	1435	10	--	--	--	--	--	--	--	--
SEP										
11...	1330	0	.000	.000	.000	.000	.000	.00	<.01	.0

07056520 BEAR CREEK WEST OF MARSHALL, AR

LOCATION.--Lat 35°55'20", long 92°42'20", in NW 1/4 NW 1/4 sec.29, T.15 N., R.16 W., Searcy County, Hydrologic Unit 11010005 at downstream side of bridge on State Highway 74, and 4.4 mi west of Marshall.

PERIOD OF RECORD.--December 1983 to June 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, DECEMBER 1983 TO JUNE 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
DEC, 1983									
13...	1430	9	9827	9827	7.4	5.0	8.0	6.0	11.0
JAN, 1984									
17...	1345	9	9827	9827	7.6	-3.0	5.0	2.0	--
FEB									
14...	1445	9	9827	9827	7.6	23.0	10.0	8.0	11.7
MAR									
13...	1330	9	9827	9827	7.5	16.0	2.0	6.6	11.7
APR									
10...	1400	9	9827	9827	7.8	19.0	15.0	6.5	11.6
MAY									
08...	1430	9	9827	9827	7.4	20.0	16.0	25	9.7
JUN									
05...	1600	9	9827	9827	7.6	30.0	23.0	2.2	--

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC, 1983									
13...	1430	.8	44	7.0	5.5	73	.10	2	.42
JAN, 1984									
17...	1345	.8	<4	9.0	6.0	102	.14	4	.39
FEB									
14...	1445	.4	<4	9.0	4.5	77	.10	7	.42
MAR									
13...	1330	.3	16	8.0	3.5	83	.11	6	--
APR									
10...	1400	<1.0	410	4.0	2.5	76	.10	9	.22
MAY									
08...	1430	1.0	180	--	2.5	92	.13	34	.35
JUN									
05...	1600	1.1	470	9.0	5.5	143	.19	3	.52

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
DEC, 1983									
13...	1430	<.010	.030	<.010	0	<1	22	11	0
JAN, 1984									
17...	1345	.010	.040	.030	0	2	16	77	30
FEB									
14...	1445	<.010	.030	.030	0	<1	43	15	30
MAR									
13...	1330	.040	.100	--	0	<1	13	15	0
APR									
10...	1400	.020	.090	.030	0	<1	11	13	--
MAY									
08...	1430	.030	.110	.010	0	<1	--	40	--
JUN									
05...	1600	<.010	.050	<.010	--	<1	<10	2	20

07057310 HICKS CREEK NEAR MOUNTAIN HOME, AR

LOCATION.--Lat 36°17'32", long 92°22'34", in NE 14 NE 1/4 sec.28, T.19 N., R.13 W., Baxter County, Hydrologic Unit 11010004, at downstream side of low-water bridge on the Heritage Estates Subdivision Road, 3 mi south of Baxter County fairgrounds, and 0.9 mi from Highway 201 turnoff.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
NOV, 1983 08...	1100	9	9827	9827	7.7	13.0	12.0	2.5	6.6
DEC 13...	1200	9	9827	9827	8.0	5.0	8.0	2.0	10.6
JAN, 1984 17...	1100	9	9827	9827	7.9	-3.0	2.0	2.0	--
FEB 14...	1130	9	9827	9827	8.1	11.0	8.0	3.0	11.4
MAR 13...	1100	9	9827	9827	7.9	10.0	9.0	4.0	10.9
APR 10...	1100	9	9827	9827	8.0	14.0	13.0	2.4	10.4
MAY 08...	1130	9	9827	9827	7.8	15.0	14.0	6.0	9.4
JUN 05...	1230	9	9827	9827	8.0	31.0	18.0	3.0	5.6
JUL 17...	1200	9	9827	9827	7.8	35.0	25.0	3.0	5.0
AUG 14...	1200	9	9827	9827	7.7	29.0	25.0	2.2	4.1
SEP 11...	1105	9	9827	9827	7.6	25.0	24.0	--	3.7

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV , 1983 08...	1100	1.2	K76	27	42	355	.48	2	--
DEC 13...	1200	7.1	K16	22	17	276	.38	2	>1.0
JAN , 1984 17...	1100	7.6	>600	25	25	310	.42	7	.84
FEB 14...	1130	2.1	K40	23	17	260	.35	3	.99
MAR 13...	1100	7.5	<4	23	16	271	.37	8	--
APR 10...	1100	1.9	<10	14	11	241	.33	4	.68
MAY 08...	1130	2.4	K100	--	11	234	.32	5	.52
JUN 05...	1230	--	290	25	39	348	.47	8	3.3
JUL 17...	1200	6.4	110	35	54	359	.49	2	2.4
AUG 14...	1200	6.4	110	29	67	381	.52	4	2.1
SEP 11...	1105	3.0	140	31	41	327	.44	<1	3.0

07057310 HICKS CREEK NEAR MOUNTAIN HOME, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
08...	1100	2.52	3.60	2.30	0	2	<10	3	10
DEC									
13...	1200	.740	.250	.180	0	<1	<30	4	20
JAN, 1984									
17...	1100	4.05	2.05	1.75	0	2	<10	4	20
FEB									
14...	1130	.550	.110	.080	0	<1	76	2	50
MAR									
13...	1100	.400	.430	--	0	1	67	1	80
APR									
10...	1100	.150	.140	.120	0	<1	<10	2	--
MAY									
08...	1130	.090	.130	.080	0	<1	--	<1	--
JUN									
05...	1230	3.80	4.00	3.90	--	<1	12	7	30
JUL									
17...	1200	2.15	2.84	2.40	0	2	<10	7	20
AUG									
14...	1200	3.70	3.00	2.80	0	<1	<10	4	30
SEP									
11...	1105	2.30	4.25	3.50	0	<1	<10	2	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
DEC, 1983									
13...	1200	<.001	<.001	--	<.001	<.001	.00	--	--
JAN, 1984									
17...	1100	<.001	<.001	<.002	<.001	<.001	.00	.00	.0
APR									
10...	1100	<.001	<.001	<.002	<.001	<.001	.00	.00	.0
SEP									
11...	1105	<.002	<.002	<.004	<.002	<.002	.00	.00	.0

07057370 WHITE RIVER NEAR NORFORK, AR

LOCATION.--Lat 36°13'24", long 92°18'06", in sec.17, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010004, at bridge on State Highway 341, and 1.7 mi northwest of Norfork.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
18...	1000	9	9827	9827	1990	8.0	15.0	17.0	2.0	8.6
NOV										
08...	1030	9	9827	9827	1140	8.0	13.0	13.0	1.5	10.1
DEC										
13...	1130	9	9827	9827	15900	7.8	5.0	9.0	5.0	10.0
JAN, 1984										
17...	1045	9	9827	9827	3690	8.0	-3.0	2.0	2.0	--
FEB										
14...	1100	9	9827	9827	8170	7.9	10.0	9.0	40	10.6
MAR										
13...	1030	9	9827	9827	13600	7.9	10.0	8.0	3.9	12.0
APR										
10...	1030	9	9827	9827	14300	7.9	14.0	12.0	9.5	10.3
MAY										
08...	1100	9	9827	9827	42300	7.5	15.0	14.0	340	8.5
JUN										
05...	1200	9	9827	9827	3820	8.2	31.0	18.0	1.8	9.8
JUL										
17...	1145	9	9827	9827	2240	8.0	33.0	25.0	2.0	8.7
AUG										
14...	1600	9	9827	9827	7330	7.9	29.0	27.0	1.7	8.8
SEP										
11...	1045	9	9827	9827	10200	7.8	25.0	15.0	--	7.8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
18...	1000	1.6	170	7.0	4.5	161	.22	6	.29
NOV									
08...	1030	1.4	4	3.0	7.0	170	.23	1	--
DEC									
13...	1130	.8	48	5.0	6.5	132	.18	6	.27
JAN, 1984									
17...	1045	.9	<4	6.0	6.0	150	.20	6	.24
FEB									
14...	1100	1.5	230	10	5.0	131	.18	45	.39
MAR									
13...	1030	.3	4	6.0	4.5	146	.20	6	--
APR									
10...	1030	.3	210	4.0	2.5	126	.17	18	.24
MAY									
08...	1100	4.0	6100	--	1.5	132	.18	558	.23
JUN									
05...	1200	2.2	28	7.0	5.0	147	.20	4	.16
JUL									
17...	1145	.9	4	6.0	5.5	181	.25	4	.13
AUG									
14...	1600	1.3	4	6.0	6.0	158	.21	4	.38
SEP									
11...	1045	.7	36	6.0	7.5	161	.22	2	.50

07057370 WHITE RIVER NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
18...	1000	.020	.040	<.010	0	<1	28	5	20
NOV									
08...	1030	<.010	.040	.010	0	1	32	23	10
DEC									
13...	1130	.010	.010	<.010	0	<1	14	5	20
JAN, 1984									
17...	1045	<.010	.010	<.010	0	2	21	54	30
FEB									
14...	1100	.020	.080	.020	0	2	66	21	70
MAR									
13...	1030	<.010	.070	--	0	<1	18	15	0
APR									
10...	1030	.030	.080	.010	0	--	67	21	--
MAY									
08...	1100	.100	.600	.040	1	12	--	53	--
JUN									
05...	1200	<.010	.010	<.010	--	<1	<10	2	0
JUL									
17...	1145	<.010	.020	.020	0	<1	<10	8	0
AUG									
14...	1600	<.010	.040	.010	0	<1	15	6	30
SEP									
11...	1045	<.010	.010	<.010	0	<1	18	9	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983									
08...	1030	.000	.000	.000	.000	.000	.00	.00	1
DEC, 1983									
13...	1130	--	--	--	--	--	--	--	.0
JAN , 1984									
17...	1045	--	--	--	--	--	--	--	.0
APR									
10...	1030	.000	.000	.000	.000	.000	.00	.00	.0

07059500 NORFORK LAKE NEAR NORFORK, AR

LOCATION.--Lat 36°14'57", long 92°14'16", in SE 1/4 sec.2, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at dam on North Fork River, 4.3 mi northeast of Norfork, and at mile 4.8.

DRAINAGE AREA.--1,808 mi^2.

PERIOD OF RECORD.--Water years 1968-69, 1971-72, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
OCT								
19...	1330	9	80513	80513	.00	152	290	8.2
19...	1332	9	80513	80513	10.0	152	290	8.2
19...	1334	9	80513	80513	20.0	152	295	8.3
19...	1336	9	80513	80513	30.0	152	295	8.3
19...	1338	9	80513	80513	40.0	152	295	8.3
19...	1340	9	80513	80513	50.0	152	295	8.3
19...	1342	9	80513	80513	52.0	152	305	7.9
19...	1344	9	80513	80513	53.0	152	315	7.7
19...	1346	9	80513	80513	60.0	152	305	7.7
19...	1348	9	80513	80513	65.0	152	300	7.6
19...	1350	9	80513	80513	70.0	152	300	7.6
19...	1352	9	80513	80513	80.0	152	295	7.6
19...	1354	9	80513	80513	90.0	152	295	7.6
19...	1356	9	80513	80513	100	152	300	7.5
19...	1358	9	80513	80513	110	152	305	7.5
19...	1400	9	80513	80513	120	152	310	7.5
19...	1402	9	80513	80513	130	152	315	7.5
19...	1403	9	80513	80513	140	152	315	7.5
19...	1404	9	80513	80513	150	152	320	7.4
19...	1405	9	80513	80513	152	152	325	7.4

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
19...	1330	20.5	178	4.5	7.4	84	751
19...	1332	21.0	--	--	7.2	--	--
19...	1334	21.0	--	--	6.7	--	--
19...	1336	21.0	--	--	6.5	--	--
19...	1338	21.0	--	--	6.3	--	--
19...	1340	21.0	--	--	6.2	--	--
19...	1342	20.0	--	--	.4	--	--
19...	1344	19.0	--	--	.2	--	--
19...	1346	18.0	--	--	.1	--	--
19...	1348	17.0	--	--	.1	--	--
19...	1350	16.0	--	--	.1	--	--
19...	1352	15.0	--	--	.1	--	--
19...	1354	14.0	--	--	.2	--	--
19...	1356	13.0	--	--	.1	--	--
19...	1358	12.5	--	--	.1	--	--
19...	1400	11.5	--	--	.1	--	--
19...	1402	11.5	--	--	.1	--	--
19...	1403	11.0	--	--	.1	--	--
19...	1404	11.0	--	--	.1	--	--
19...	1405	10.5	--	--	.0	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV								
15...	1120	9	80513	80513	.00	150	300	8.2
15...	1122	9	80513	80513	10.0	150	320	8.2
15...	1124	9	80513	80513	20.0	150	320	8.1
15...	1126	9	80513	80513	30.0	150	320	8.1
15...	1128	9	80513	80513	40.0	150	340	7.9
15...	1130	9	80513	80513	50.0	150	340	7.9
15...	1132	9	80513	80513	60.0	150	340	7.8
15...	1134	9	80513	80513	70.0	150	340	7.7
15...	1136	9	80513	80513	80.0	150	340	7.7
15...	1138	9	80513	80513	90.0	150	340	7.7
15...	1140	9	80513	80513	100	150	340	7.7
15...	1142	9	80513	80513	110	150	320	7.6
15...	1144	9	80513	80513	120	150	360	7.6
15...	1146	9	80513	80513	130	150	360	7.6
15...	1148	9	80513	80513	140	150	360	7.6
15...	1150	9	80513	80513	150	150	360	7.6

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
15...	1120	15.5	174	4.4	6.8	69	750
15...	1122	15.5	--	--	6.7	--	--
15...	1124	15.5	--	--	6.6	--	--
15...	1126	15.5	--	--	6.5	--	--
15...	1128	15.5	--	--	6.5	--	--
15...	1130	15.5	--	--	6.5	--	--
15...	1132	15.5	--	--	6.5	--	--
15...	1134	15.5	--	--	6.5	--	--
15...	1136	15.5	--	--	3.5	--	--
15...	1138	14.5	--	--	.6	--	--
15...	1140	13.5	--	--	.2	--	--
15...	1142	12.5	--	--	.2	--	--
15...	1144	12.0	--	--	.2	--	--
15...	1146	11.5	--	--	.0	--	--
15...	1148	11.0	--	--	.0	--	--
15...	1150	11.0	--	--	.0	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JAN								
24...	1450	9	80513	80513	.00	159	305	8.1
24...	1452	9	80513	80513	10.0	159	305	8.1
24...	1454	9	80513	80513	20.0	159	305	8.2
24...	1456	9	80513	80513	30.0	159	310	8.2
24...	1458	9	80513	80513	40.0	159	310	8.2
24...	1500	9	80513	80513	50.0	159	315	8.2
24...	1502	9	80513	80513	60.0	159	315	8.2
24...	1504	9	80513	80513	70.0	159	315	8.2
24...	1506	9	80513	80513	80.0	159	315	8.2
24...	1508	9	80513	80513	90.0	159	315	8.2
24...	1510	9	80513	80513	100	159	315	8.2
24...	1512	9	80513	80513	110	159	315	8.2
24...	1514	9	80513	80513	120	159	315	8.3
24...	1516	9	80513	80513	130	159	315	8.3
24...	1518	9	80513	80513	140	159	315	8.3
24...	1519	9	80513	80513	150	159	315	8.3
24...	1520	9	80513	80513	159	159	315	8.3

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JAN							
24...	1450	5.0	99.6	2.50	11.6	92	749
24...	1452	4.5	--	--	11.5	--	--
24...	1454	4.5	--	--	11.3	--	--
24...	1456	4.5	--	--	11.3	--	--
24...	1458	4.5	--	--	11.3	--	--
24...	1500	4.5	--	--	11.3	--	--
24...	1502	4.5	--	--	11.3	--	--
24...	1504	4.5	--	--	11.3	--	--
24...	1506	4.5	--	--	11.3	--	--
24...	1508	4.0	--	--	11.3	--	--
24...	1510	4.0	--	--	11.3	--	--
24...	1512	4.0	--	--	11.3	--	--
24...	1514	4.0	--	--	11.3	--	--
24...	1516	4.0	--	--	11.2	--	--
24...	1518	4.0	--	--	11.2	--	--
24...	1519	4.0	--	--	11.2	--	--
24...	1520	4.0	--	--	11.1	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
FEB											
14...	1320	9	80513	80513	.00	159	305	8.5	21.5	5.5	128
14...	1321	9	80513	80010	3.00	159	--	--	--	--	--
14...	1322	9	80513	80513	10.0	159	310	8.5	--	5.5	--
14...	1324	9	80513	80513	20.0	159	310	8.5	--	5.0	--
14...	1325	9	80513	80010	25.0	159	310	8.5	--	5.0	--
14...	1326	9	80513	80513	30.0	159	310	8.5	--	5.0	--
14...	1328	9	80513	80513	40.0	159	310	8.4	--	5.0	--
14...	1330	9	80513	80513	50.0	159	315	8.4	--	5.0	--
14...	1332	9	80513	80513	60.0	159	315	8.4	--	5.0	--
14...	1334	9	80513	80513	70.0	159	315	8.4	--	5.0	--
14...	1336	9	80513	80513	80.0	159	315	8.4	--	5.0	--
14...	1338	9	80513	80513	90.0	159	315	8.4	--	5.0	--
14...	1340	9	80513	80010	100	159	315	8.4	--	4.5	--
14...	1342	9	80513	80513	110	159	315	8.4	--	4.5	--
14...	1344	9	80513	80513	120	159	315	8.4	--	4.5	--
14...	1346	9	80513	80513	130	159	320	8.4	--	4.5	--
14...	1348	9	80513	80513	140	159	320	8.4	--	4.5	--
14...	1349	9	80513	80513	150	159	320	8.4	--	4.5	--
14...	1350	9	80513	80513	159	159	320	8.3	--	4.5	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
FEB											
14...	1320	3.3	12.1	98	749	--	--	--	0	--	--
14...	1321	--	--	--	749	--	--	--	--	--	--
14...	1322	--	12.2	--	--	--	--	--	--	--	--
14...	1324	--	12.2	--	--	--	--	--	--	--	--
14...	1325	--	12.2	--	--	2	7.1	1.3	--	150	0
14...	1326	--	12.2	--	--	--	--	--	--	--	--
14...	1328	--	12.2	--	--	--	--	--	--	--	--
14...	1330	--	12.1	--	--	--	--	--	--	--	--
14...	1332	--	12.1	--	--	--	--	--	--	--	--
14...	1334	--	12.1	--	--	--	--	--	--	--	--
14...	1336	--	12.0	--	--	--	--	--	--	--	--
14...	1338	--	12.0	--	--	--	--	--	--	--	--
14...	1340	--	12.0	--	--	5	3.4	1.0	--	160	0
14...	1342	--	12.0	--	--	--	--	--	--	--	--
14...	1344	--	12.0	--	--	--	--	--	--	--	--
14...	1346	--	12.0	--	--	--	--	--	--	--	--
14...	1348	--	12.0	--	--	--	--	--	--	--	--
14...	1349	--	12.0	--	--	--	--	--	--	--	--
14...	1350	--	11.9	--	--	--	--	--	--	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
FEB										
14...	1325	0	30	75	18	151	6.0	4.9	.200	.010
14...	1340	0	31	78	19	155	5.9	5.3	.200	.020

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
FEB										
14...	1321	--	--	--	--	--	--	--	2.10	<.100
14...	1325	.79	.80	1.0	.010	<.010	120	20	--	--
14...	1340	.78	.80	1.0	.020	<.010	250	20	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR								
27...	0830	9	80513	80513	.00	159	300	8.9
27...	0832	9	80513	80513	10.0	159	300	8.9
27...	0834	9	80513	80513	20.0	159	300	8.9
27...	0836	9	80513	80513	30.0	159	300	8.9
27...	0838	9	80513	80513	40.0	159	300	8.9
27...	0840	9	80513	80513	50.0	159	300	8.8
27...	0842	9	80513	80513	60.0	159	300	8.8
27...	0844	9	80513	80513	70.0	159	300	8.8
27...	0846	9	80513	80513	80.0	159	300	8.8
27...	0848	9	80513	80513	90.0	159	300	8.8
27...	0850	9	80513	80513	100	159	300	8.8
27...	0852	9	80513	80513	110	159	300	8.8
27...	0854	9	80513	80513	120	159	300	8.8
27...	0856	9	80513	80513	130	159	300	8.8
27...	0858	9	80513	80513	140	159	300	8.8
27...	0859	9	80513	80513	150	159	300	8.8
27...	0900	9	80513	80513	159	159	300	8.7

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
27...	0830	8.0	128	3.3	11.9	104	737
27...	0832	8.0	--	--	11.9	--	--
27...	0834	8.0	--	--	11.9	--	--
27...	0836	8.0	--	--	11.8	--	--
27...	0838	8.0	--	--	11.8	--	--
27...	0840	7.5	--	--	11.7	--	--
27...	0842	7.5	--	--	11.7	--	--
27...	0844	7.0	--	--	11.7	--	--
27...	0846	7.0	--	--	11.6	--	--
27...	0848	7.0	--	--	11.6	--	--
27...	0850	7.0	--	--	11.6	--	--
27...	0852	7.0	--	--	11.6	--	--
27...	0854	7.0	--	--	11.6	--	--
27...	0856	7.0	--	--	11.5	--	--
27...	0858	6.5	--	--	11.4	--	--
27...	0859	6.5	--	--	11.4	--	--
27...	0900	6.5	--	--	11.2	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
APR								
25...	1110	9	80513	80513	.00	163	305	8.7
25...	1112	9	80513	80513	10.0	163	305	8.7
25...	1114	9	80513	80513	20.0	163	305	8.7
25...	1116	9	80513	80513	30.0	163	305	8.8
25...	1118	9	80513	80513	40.0	163	305	8.8
25...	1120	9	80513	80513	50.0	163	305	8.8
25...	1122	9	80513	80513	60.0	163	305	8.7
25...	1124	9	80513	80513	70.0	163	305	7.7
25...	1126	9	80513	80513	80.0	163	300	8.7
25...	1128	9	80513	80513	90.0	163	300	8.7
25...	1130	9	80513	80513	100	163	300	8.7
25...	1132	9	80513	80513	110	163	300	8.7
25...	1134	9	80513	80513	120	163	300	8.7
25...	1136	9	80513	80513	130	163	300	8.6
25...	1138	9	80513	80513	140	163	300	8.6
25...	1140	9	80513	80513	150	163	300	8.6
25...	1142	9	80513	80513	160	163	300	8.6
25...	1145	9	80513	80513	163	163	300	8.6

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
APR							
25...	1110	12.0	220	5.6	10.9	104	744
25...	1112	11.5	--	--	10.9	--	--
25...	1114	11.5	--	--	11.1	--	--
25...	1116	11.0	--	--	11.3	--	--
25...	1118	11.0	--	--	11.5	--	--
25...	1120	10.5	--	--	11.6	--	--
25...	1122	10.5	--	--	11.7	--	--
25...	1124	10.0	--	--	11.7	--	--
25...	1126	9.0	--	--	11.8	--	--
25...	1128	8.5	--	--	11.7	--	--
25...	1130	8.0	--	--	11.7	--	--
25...	1132	7.5	--	--	11.7	--	--
25...	1134	7.5	--	--	11.7	--	--
25...	1136	7.5	--	--	11.7	--	--
25...	1138	7.5	--	--	11.7	--	--
25...	1140	7.5	--	--	11.6	--	--
25...	1142	7.0	--	--	11.4	--	--
25...	1145	7.0	--	--	11.2	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
MAY											
29...	1620	9	80513	80513	.00	158	290	8.6	21.5	20.5	222
29...	1621	9	80513	80010	3.00	158	--	--	--	--	--
29...	1622	9	80513	80513	10.0	158	290	8.5	--	20.5	--
29...	1624	9	80513	80513	20.0	158	290	8.5	--	20.0	--
29...	1625	9	80513	80010	25.0	158	290	8.5	--	20.0	--
29...	1628	9	80513	80513	30.0	158	290	8.5	--	20.0	--
29...	1630	9	80513	80513	40.0	158	290	8.5	--	19.5	--
29...	1632	9	80513	80513	46.0	158	290	8.4	--	18.5	--
29...	1634	9	80513	80513	47.0	158	290	8.4	--	17.5	--
29...	1636	9	80513	80513	48.0	158	290	8.3	--	16.5	--
29...	1638	9	80513	80513	50.0	158	285	8.3	--	16.0	--
29...	1640	9	80513	80513	53.0	158	285	8.3	--	15.0	--
29...	1642	9	80513	80513	56.0	158	285	8.2	--	14.0	--
29...	1644	9	80513	80513	60.0	158	290	8.2	--	13.5	--
29...	1646	9	80513	80513	65.0	158	290	8.2	--	12.5	--
29...	1648	9	80513	80513	70.0	158	290	8.2	--	11.5	--
29...	1650	9	80513	80513	80.0	158	290	8.1	--	10.5	--
29...	1652	9	80513	80513	90.0	158	290	8.1	--	9.5	--
29...	1655	9	80513	80010	100	158	290	8.0	--	9.0	--
29...	1656	9	80513	80513	110	158	295	8.0	--	9.0	--
29...	1658	9	80513	80513	120	158	295	8.0	--	8.5	--
29...	1700	9	80513	80513	130	158	295	8.0	--	8.5	--
29...	1702	9	80513	80513	140	158	295	8.0	--	8.5	--
29...	1704	9	80513	80513	150	158	295	7.9	--	8.0	--
29...	1705	9	80513	80513	158	158	295	7.9	--	8.0	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
MAY										
29...	1620	5.6	9.0	101	758	--	--	--	2	--
29...	1621	--	--	--	758	--	--	--	--	--
29...	1622	--	9.0	--	--	--	--	--	--	--
29...	1624	--	9.1	--	--	--	--	--	--	--
29...	1625	--	9.1	101	758	5	1.0	1.2	--	67
29...	1628	--	9.1	--	--	--	--	--	--	--
29...	1630	--	9.2	--	--	--	--	--	--	--
29...	1632	--	9.1	--	--	--	--	--	--	--
29...	1634	--	9.0	--	--	--	--	--	--	--
29...	1636	--	9.0	--	--	--	--	--	--	--
29...	1638	--	8.8	--	--	--	--	--	--	--
29...	1640	--	9.0	--	--	--	--	--	--	--
29...	1642	--	8.9	--	--	--	--	--	--	--
29...	1644	--	8.9	--	--	--	--	--	--	--
29...	1646	--	8.9	--	--	--	--	--	--	--
29...	1648	--	8.8	--	--	--	--	--	--	--
29...	1650	--	8.8	--	--	--	--	--	--	--
29...	1652	--	8.8	--	--	--	--	--	--	--
29...	1655	--	8.7	76	758	5	<1.0	.9	--	66
29...	1656	--	8.7	--	--	--	--	--	--	--
29...	1658	--	8.7	--	--	--	--	--	--	--
29...	1700	--	8.6	--	--	--	--	--	--	--
29...	1702	--	8.4	--	--	--	--	--	--	--
29...	1704	--	8.0	--	--	--	--	--	--	--
29...	1705	--	8.0	--	--	--	--	--	--	--

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY										
29...	1621	.300	.020	.78	.80	1.1	<.010	<.010	<.100	<.100
29...	1625	.300	.080	.72	.80	1.1	<.010	<.010	--	--
29...	1655	.800	.990	1.1	2.1	2.9	<.010	<.010	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
JUN								
27...	1100	9	80513	80513	.00	158	325	8.6
27...	1102	9	80513	80513	10.0	158	325	8.6
27...	1104	9	80513	80513	17.0	158	315	8.7
27...	1106	9	80513	80513	18.0	158	315	8.7
27...	1108	9	80513	80513	20.0	158	315	8.7
27...	1110	9	80513	80513	22.0	158	320	8.7
27...	1112	9	80513	80513	25.0	158	325	8.6
27...	1114	9	80513	80513	30.0	158	325	8.5
27...	1116	9	80513	80513	33.0	158	325	8.5
27...	1118	9	80513	80513	35.0	158	325	8.4
27...	1120	9	80513	80513	38.0	158	325	8.3
27...	1122	9	80513	80513	40.0	158	325	8.3
27...	1124	9	80513	80513	45.0	158	320	8.2
27...	1126	9	80513	80513	50.0	158	320	8.2
27...	1128	9	80513	80513	55.0	158	320	8.2
27...	1130	9	80513	80513	60.0	158	320	8.2
27...	1132	9	80513	80513	65.0	158	320	8.2
27...	1134	9	80513	80513	70.0	158	320	8.2
27...	1136	9	80513	80513	80.0	158	325	8.2
27...	1138	9	80513	80513	90.0	158	325	8.2
27...	1140	9	80513	80513	100	158	325	8.2
27...	1142	9	80513	80513	110	158	325	8.1
27...	1144	9	80513	80513	120	158	330	8.1
27...	1146	9	80513	80513	130	158	330	8.1
27...	1148	9	80513	80513	140	158	330	8.1
27...	1149	9	80513	80513	150	158	330	8.0
27...	1150	9	80513	80513	158	158	335	8.0

BEST COPY AVAILABLE

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JUN							
27...	1100	27.0	256	6.5	8.2	105	747
27...	1102	27.0	--	--	8.3	--	--
27...	1104	26.0	--	--	11.2	--	--
27...	1106	24.5	--	--	11.6	--	--
27...	1108	23.5	--	--	11.2	--	--
27...	1110	22.5	--	--	9.6	--	--
27...	1112	21.5	--	--	8.7	--	--
27...	1114	20.5	--	--	8.2	--	--
27...	1116	19.5	--	--	7.8	--	--
27...	1118	18.5	--	--	7.3	--	--
27...	1120	17.5	--	--	7.2	--	--
27...	1122	17.0	--	--	6.9	--	--
27...	1124	16.0	--	--	6.4	--	--
27...	1126	15.0	--	--	6.4	--	--
27...	1128	14.0	--	--	6.2	--	--
27...	1130	13.0	--	--	6.4	--	--
27...	1132	12.0	--	--	6.7	--	--
27...	1134	11.5	--	--	6.7	--	--
27...	1136	11.0	--	--	6.9	--	--
27...	1138	10.5	--	--	7.0	--	--
27...	1140	9.5	--	--	7.0	--	--
27...	1142	9.5	--	--	6.8	--	--
27...	1144	9.0	--	--	6.6	--	--
27...	1146	9.0	--	--	6.6	--	--
27...	1148	9.0	--	--	6.4	--	--
27...	1149	8.5	--	--	6.2	--	--
27...	1150	8.5	--	--	5.6	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
JUL										
18...	1110	9	80513	80513	.00	158	285	8.6	28.0	239
18...	1111	9	80513	80010	3.00	158	280	8.6	28.0	--
18...	1112	9	80513	80513	10.0	158	280	8.5	28.0	--
18...	1114	9	80513	80513	20.0	158	280	8.5	28.0	--
18...	1116	9	80513	80513	26.0	158	280	8.6	27.0	--
18...	1118	9	80513	80513	27.0	158	280	8.6	26.0	--
18...	1120	9	80513	80513	28.0	158	285	8.6	24.5	--
18...	1122	9	80513	80513	30.0	158	285	8.6	23.5	--
18...	1124	9	80513	80513	33.0	158	285	8.6	22.5	--
18...	1126	9	80513	80513	37.0	158	290	8.5	21.5	--
18...	1128	9	80513	80513	40.0	158	290	8.3	20.5	--
18...	1130	9	80513	80513	43.0	158	290	8.2	19.5	--
18...	1132	9	80513	80513	46.0	158	290	8.2	18.5	--
18...	1134	9	80513	80513	48.0	158	290	8.1	17.5	--
18...	1136	9	80513	80513	50.0	158	290	8.1	16.5	--
18...	1138	9	80513	80513	53.0	158	290	8.0	15.5	--
18...	1140	9	80513	80513	57.0	158	290	8.0	14.5	--
18...	1142	9	80513	80513	60.0	158	290	8.0	13.5	--
18...	1144	9	80513	80513	70.0	158	295	8.0	12.5	--
18...	1146	9	80513	80513	80.0	158	295	8.0	11.5	--
18...	1148	9	80513	80513	90.0	158	300	7.9	10.5	--
18...	1150	9	80513	80513	100	158	300	7.9	9.5	--
18...	1152	9	80513	80513	110	158	300	7.9	9.5	--
18...	1154	9	80513	80513	120	158	305	7.8	9.0	--
18...	1156	9	80513	80513	130	158	305	7.8	9.0	--
18...	1158	9	80513	80513	140	158	305	7.8	8.5	--
18...	1159	9	80513	80513	150	158	305	7.7	8.0	--
18...	1200	9	80513	80513	158	158	305	7.7	8.0	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL									
18...	1110	6.1	8.1	105	751	--	--	--	--
18...	1111	--	8.0	104	751	<.010	<.010	.700	<.100
18...	1112	--	8.0	--	--	--	--	--	--
18...	1114	--	7.9	--	--	--	--	--	--
18...	1116	--	7.9	--	--	--	--	--	--
18...	1118	--	10.3	--	--	--	--	--	--
18...	1120	--	10.8	--	--	--	--	--	--
18...	1122	--	10.6	--	--	--	--	--	--
18...	1124	--	9.9	--	--	--	--	--	--
18...	1126	--	8.2	--	--	--	--	--	--
18...	1128	--	7.7	--	--	--	--	--	--
18...	1130	--	6.8	--	--	--	--	--	--
18...	1132	--	6.5	--	--	--	--	--	--
18...	1134	--	5.9	--	--	--	--	--	--
18...	1136	--	5.8	--	--	--	--	--	--
18...	1138	--	5.6	--	--	--	--	--	--
18...	1140	--	5.6	--	--	--	--	--	--
18...	1142	--	4.8	--	--	--	--	--	--
18...	1144	--	5.7	--	--	--	--	--	--
18...	1146	--	6.0	--	--	--	--	--	--
18...	1148	--	6.0	--	--	--	--	--	--
18...	1150	--	6.1	--	--	--	--	--	--
18...	1152	--	5.5	--	--	--	--	--	--
18...	1154	--	5.3	--	--	--	--	--	--
18...	1156	--	5.1	--	--	--	--	--	--
18...	1158	--	4.6	--	--	--	--	--	--
18...	1159	--	3.8	--	--	--	--	--	--
18...	1200	--	3.0	--	--	--	--	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (0002[illegible])
AUG									
16...	0830	9	80513	80513	.00	158	285	8.4	23.0
16...	0831	9	80513	80010	3.00	158	--	--	--
16...	0832	9	80513	80513	10.0	158	280	8.5	--
16...	0834	9	80513	80513	20.0	158	280	8.5	--
16...	0835	9	80513	80010	25.0	158	280	8.6	--
16...	0836	9	80513	80513	28.0	158	290	8.5	--
16...	0838	9	80513	80513	30.0	158	300	8.5	--
16...	0840	9	80513	80513	33.0	158	300	8.5	--
16...	0842	9	80513	80513	35.0	158	300	8.4	--
16...	0844	9	80513	80513	36.0	158	300	8.4	--
16...	0846	9	80513	80513	40.0	158	300	8.3	--
16...	0848	9	80513	80513	43.0	158	300	8.1	--
16...	0850	9	80513	80513	45.0	158	300	8.0	--
16...	0852	9	80513	80513	48.0	158	300	7.9	--
16...	0854	9	80513	80513	50.0	158	300	7.9	--
16...	0856	9	80513	80513	55.0	158	300	7.8	--
16...	0858	9	80513	80513	57.0	158	300	7.8	--
16...	0900	9	80513	80513	60.0	158	300	7.8	--
16...	0902	9	80513	80513	65.0	158	300	7.8	--
16...	0904	9	80513	80513	70.0	158	305	7.8	--
16...	0906	9	80513	80513	80.0	158	305	7.8	--
16...	0908	9	80513	80513	90.0	158	305	7.8	--
16...	0910	9	80513	80010	100	158	310	7.8	--
16...	0912	9	80513	80513	110	158	315	7.7	--
16...	0914	9	80513	80513	120	158	320	7.7	--
16...	0916	9	80513	80513	130	158	320	7.6	--
16...	0918	9	80513	80513	140	158	320	7.6	--
16...	0919	9	80513	80513	150	158	320	7.6	--
16...	0920	9	80513	80513	158	158	320	7.5	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
AUG									
16...	0830	27.5	259	6.6	8.5	109	754	--	--
16...	0831	--	--	--	--	--	754	--	--
16...	0832	27.5	--	--	8.4	--	--	--	--
16...	0834	27.5	--	--	8.4	--	--	--	--
16...	0835	27.5	--	--	8.3	106	754	2	1.0
16...	0836	26.5	--	--	10.0	--	--	--	--
16...	0838	25.5	--	--	11.1	--	--	--	--
16...	0840	24.5	--	--	10.8	--	--	--	--
16...	0842	23.5	--	--	9.4	--	--	--	--
16...	0844	22.5	--	--	8.6	--	--	--	--
16...	0846	21.5	--	--	7.2	--	--	--	--
16...	0848	20.5	--	--	6.1	--	--	--	--
16...	0850	19.5	--	--	5.7	--	--	--	--
16...	0852	18.5	--	--	4.5	--	--	--	--
16...	0854	18.0	--	--	4.5	--	--	--	--
16...	0856	17.0	--	--	4.1	--	--	--	--
16...	0858	16.0	--	--	4.0	--	--	--	--
16...	0900	15.5	--	--	4.0	--	--	--	--
16...	0902	14.5	--	--	4.0	--	--	--	--
16...	0904	13.5	--	--	4.1	--	--	--	--
16...	0906	12.5	--	--	4.2	--	--	--	--
16...	0908	11.5	--	--	4.6	--	--	--	--
16...	0910	11.0	--	--	4.5	41	754	2	.80
16...	0912	10.5	--	--	4.0	--	--	--	--
16...	0914	9.5	--	--	3.2	--	--	--	--
16...	0916	9.5	--	--	2.9	--	--	--	--
16...	0918	9.0	--	--	2.4	--	--	--	--
16...	0919	8.5	--	--	.9	--	--	--	--
16...	0920	8.5	--	--	.2	--	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
16...	0830	--	K3	--	--	--	--	--	--
16...	0831	--	--	--	--	--	--	1.10	<.100
16...	0835	.3	--	146	<.100	<.010	<.010	--	--
16...	0910	.4	--	162	.500	<.010	<.010	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
SEP										
19...	1200	9	80513	80513	.00	154	280	8.7	25.0	163
19...	1201	9	80513	80010	3.00	154	280	8.7	25.0	--
19...	1202	9	80513	80513	10.0	154	280	8.7	24.5	--
19...	1204	9	80513	80513	20.0	154	280	8.8	24.5	--
19...	1206	9	80513	80513	30.0	154	280	8.8	24.5	--
19...	1208	9	80513	80513	40.0	154	280	8.8	24.5	--
19...	1210	9	80513	80513	44.0	154	295	8.3	23.5	--
19...	1212	9	80513	80513	45.0	154	300	8.2	22.5	--
19...	1214	9	80513	80513	47.0	154	300	8.0	21.5	--
19...	1216	9	80513	80513	50.0	154	300	7.9	20.5	--
19...	1218	9	80513	80513	55.0	154	300	7.9	19.5	--
19...	1220	9	80513	80513	57.0	154	300	7.9	18.5	--
19...	1222	9	80513	80513	60.0	154	300	7.9	17.5	--
19...	1224	9	80513	80513	64.0	154	300	7.9	16.5	--
19...	1226	9	80513	80513	67.0	154	300	7.9	15.5	--
19...	1228	9	80513	80513	70.0	154	300	7.9	15.0	--
19...	1230	9	80513	80513	75.0	154	300	7.9	14.0	--
19...	1232	9	80513	80513	80.0	154	300	7.9	13.5	--
19...	1234	9	80513	80513	90.0	154	300	7.9	12.5	--
19...	1236	9	80513	80513	100	154	305	7.9	11.5	--
19...	1238	9	80513	80513	110	154	305	7.9	11.0	--
19...	1240	9	80513	80513	120	154	315	7.9	10.5	--
19...	1242	9	80513	80513	130	154	320	7.9	10.0	--
19...	1244	9	80513	80513	140	154	0	7.8	9.5	--
19...	1246	9	80513	80513	150	154	320	7.8	9.5	--
19...	1250	9	80513	80513	154	154	320	7.8	9.0	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP									
19...	1200	4.2	8.0	98	755	--	--	--	--
19...	1201	--	8.0	98	755	.010	<.010	1.50	<.100
19...	1202	--	8.0	--	--	--	--	--	--
19...	1204	--	7.9	--	--	--	--	--	--
19...	1206	--	7.9	--	--	--	--	--	--
19...	1208	--	7.8	--	--	--	--	--	--
19...	1210	--	4.4	--	--	--	--	--	--
19...	1212	--	3.0	--	--	--	--	--	--
19...	1214	--	1.5	--	--	--	--	--	--
19...	1216	--	1.3	--	--	--	--	--	--
19...	1218	--	1.0	--	--	--	--	--	--
19...	1220	--	.7	--	--	--	--	--	--
19...	1222	--	.7	--	--	--	--	--	--
19...	1224	--	1.0	--	--	--	--	--	--
19...	1226	--	1.3	--	--	--	--	--	--
19...	1228	--	1.5	--	--	--	--	--	--
19...	1230	--	1.7	--	--	--	--	--	--
19...	1232	--	1.8	--	--	--	--	--	--
19...	1234	--	2.0	--	--	--	--	--	--
19...	1236	--	1.7	--	--	--	--	--	--
19...	1238	--	1.6	--	--	--	--	--	--
19...	1240	--	.7	--	--	--	--	--	--
19...	1242	--	.1	--	--	--	--	--	--
19...	1244	--	.1	--	--	--	--	--	--
19...	1246	--	.1	--	--	--	--	--	--
19...	1250	--	.1	--	--	--	--	--	--

07060000 NORTH FORK RIVER AT NORFORK DAM, NEAR NORFORK, AR

LOCATION.--Lat 36°14'18", long 92°14'18", in SE 1/4 SW 1/4 sec.2, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at Norfork Dam, 3.9 mi northeast of Norfork, and at mile 4.8.

DRAINAGE AREA.--1,808 mi^2.

PERIOD OF RECORD.--Water years 1946-71, December 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1967 to September 1971.

REMARKS.--Flow completely regulated by Norfork Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
OCT											
05...	0930	9	80513	80010	--	--	--	--	--	140	160
19...	1300	9	80513	80010	1460	295	7.5	13.5	4.8	220	500
NOV											
02...	0730	9	80513	80010	--	--	--	--	--	200	410
15...	1055	9	80513	80010	830	340	8.4	11.5	9.6	170	300

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
DEC						
05...	1200	9	80513	80010	180	330

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN									
24...	1420	9	80513	80513	230	325	8.3	6.5	13.3
FEB									
14...	1300	9	80513	80010	60	315	8.4	21.0	8.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)
FEB									
14...	1300	15.6	134	752	1	17	1.7	0	170

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
FEB									
14...	1300	13	13	32	80	21	154	6.5	4.9

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
FEB									
14...	1300	.100	<.010	.80	.90	.010	<.010	210	30

07060000 NORTH FORK RIVER AT NORFORK DAM, NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR 27...	0800	9	80513	80513	3580	295	8.8	7.0	11.8
APR 25...	1050	9	80513	80513	4050	285	8.3	9.0	10.8

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
MAY 29...	1710	9	80513	80010	1210	295	8.2	23.5	11.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY 29...	1710	7.8	72	760	5	<1.0	.9	26	48

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 29...	1710	.300	.180	.92	1.1	1.4	<.010	<.010

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 27...	1040	9	80513	80513	1740	315	7.7	10.0	6.8
JUL 18...	1050	9	80513	80513	1640	300	7.9	11.0	7.8

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG 16...	0800	9	80513	80010	1650	305	7.6	19.0	12.0	5.5	51

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 16...	0800	757	2	2.0	.8	15	160	.400	.040	.020

07060000 NORTH FORK RIVER AT NORFORK DAM, NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
SEP											
19...	1130	9	80513	80010	2590	305	7.8	13.5	4.9	100	90

07060500 WHITE RIVER AT CALICO ROCK, AR

LOCATION.--Lat 36°06'58", long 92°08'35", in SE 1/4 NE 1/4 sec.22, T.17 N., R.11 W., Izard County, Hydrologic Unit 11010004, on left bank at Calico Rock, 200 ft upstream from bridge on State Highway 5,700 ft upstream from Calico Creek, 3.2 mi downstream from Cataract Creek, 6.0 mi upstream from Piney Creek, and at mile 359.1.

DRAINAGE AREA.--9,978 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 316.38 ft National Geodetic Vertical Datum of 1929. Prior to Jan. 26, 1940, nonrecording gage at same site and Jan. 27 to Aug. 13, 1940, nonrecording gage at site 500 ft downstream, both at datum 2.07 ft higher. Aug. 14, 1940, to Dec. 5 1966, water-stage recorder at datum 1.00 ft higher.

REMARKS.--Records good. Flow regulated since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft, since July 24, 1951, by Bull Shoals Lake, 59.5 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft.

AVERAGE DISCHARGE.--45 years, 9,825 ft^3/s, 7,118,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 310,000 ft^3/s Apr. 16, 1945, gage height, 49.84 ft present datum; minimum observed, 305 ft^3/s Sept. 27, 1954; minimum daily, 310 ft^3/s Sept 27, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1904, 52.9 ft Jan. 31, 1916, present datum, from records of National Weather Service, discharge, 350,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 46,700 ft^3/s May 8, gage height, 15.66 ft; minimum, 672 ft^3/s Oct. 31; minimum daily, 681 ft^3/s Oct. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2100	1420	15100	5950	3410	2380	24900	22900	14300	1740	4760	4770
2	4010	1630	15300	3470	2430	4690	26300	21800	12300	2920	9880	5840
3	2560	1700	12100	2790	2790	13700	22900	20600	8190	4260	9500	1740
4	3400	1610	15200	4550	2470	8610	19200	13100	6670	2830	4880	2150
5	2850	1350	9160	2700	1630	8770	21100	13700	7150	2410	2560	5470
6	2150	877	15300	2930	3500	12000	20200	12000	9640	4050	3280	4380
7	1160	1460	16500	5170	6990	22700	17300	23300	7070	5730	10400	4220
8	1020	1200	20300	1960	4660	17000	17500	45500	11000	3660	11300	5260
9	1090	1280	18500	1770	5080	19100	14800	25600	13300	6760	8780	2130
10	1280	2530	15400	1840	2920	15900	16200	14000	12300	12700	7430	3260
11	2480	3320	11500	5220	1360	19400	13800	16100	3580	9860	3140	13300
12	1800	1400	10700	9930	2960	17800	13400	15800	12700	3860	2770	10400
13	2150	783	21100	6920	7620	14600	16100	15800	15300	5140	2920	11100
14	2400	1110	16800	4000	8560	12600	18600	14900	12900	6640	8860	8450
15	1340	2220	19200	3020	6590	13100	20500	13500	7890	12200	7140	3830
16	1200	2590	18200	2800	5280	8750	21300	10700	6080	4760	10100	1480
17	1760	1850	12100	5300	4650	7580	22600	11900	5580	3620	8890	1620
18	3770	5920	9840	4760	5390	8900	24300	13700	4530	2350	8260	2860
19	3520	7320	20800	4730	5030	11000	26400	15700	8320	6650	6980	3030
20	3590	5030	25100	5330	3000	21800	24500	16200	5320	8900	3040	4370
21	4340	3490	20800	7780	3220	25100	24300	18000	6420	10000	8040	3900
22	3590	12000	23600	3370	2760	22700	19900	15200	6970	9340	8890	4300
23	1580	13000	25600	2200	2940	24000	24400	10300	10600	7140	9710	1900
24	1330	9730	27100	2300	3490	22600	26700	10200	3280	9670	3360	3250
25	1310	4500	28100	2340	3140	21100	28900	7520	3470	8690	2980	10500
26	1930	2880	26200	2470	4520	21900	29000	11100	6680	9680	5250	6330
27	1950	3510	19200	2790	2390	25900	30900	4290	5310	8950	3120	3010
28	1680	5800	15600	4800	2380	28600	25000	5210	5180	5340	10200	1880
29	1460	15700	19000	3120	2380	29700	24100	6150	4490	2920	13500	4420
30	1280	13400	18300	4220	---	29200	23900	7870	3060	3300	13200	10800
31	681	---	10600	7240	---	26500	---	9510	---	6010	8370	---
TOTAL	66761	130610	552300	127770	113540	537680	659000	462150	239580	192080	221490	149950
MEAN	2154	4354	17820	4122	3915	17340	21970	14910	7986	6196	7145	4998
MAX	4340	15700	28100	9930	8560	29700	30900	45500	15300	12700	13500	13300
MIN	681	783	9160	1770	1360	2380	13400	4290	3060	1740	2560	1480
AC-FT	132400	259100	1095000	253400	225200	1066000	1307000	916700	475200	381000	439300	297400

CAL YR 1983 TOTAL 4923035 MEAN 13490 MAX 36300 MIN 681 AC-FT 9765000
WTR YR 1984 TOTAL 3452911 MEAN 9434 MAX 45500 MIN 681 AC-FT 6849000

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1966 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1966 to September 1981.

REMARKS.--Flow regulated by upstream reservoirs.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT 19...	1130	9	80513	80010	1610	285	7.7	18.0	15.5	7.6	77
JAN 04...	1315	9	80513	80010	4980	280	7.6	14.0	6.0	11.0	89
FEB 22...	1400	9	80513	80010	2500	254	7.9	23.0	10.0	14.9	134
APR 24...	1300	9	80513	80010	23900	260	8.2	15.0	10.0	11.6	105
JUN 12...	1400	9	80513	80010	11100	270	8.2	27.0	15.0	10.4	103
AUG 01...	1200	9	80513	80010	5160	317	8.1	34.0	15.0	9.5	95

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT 19...	1130	758	1.1	34	150	160	9	9	37	17	1.7
JAN 04...	1315	755	3.6	1	16	160	8	8	42	13	2.8
FEB 22...	1400	751	1.5	1	1	140	8	8	36	11	2.4
APR 24...	1300	748	1.8	9	92	140	9	9	37	11	2.0
JUN 12...	1400	760	1.4	40	330	140	16	16	38	12	2.4
AUG 01...	1200	756	1.8	16	28	150	6	6	36	15	2.0

DATE	TIME	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT 19...	1130	2	.0	1.5	154	7.1	3.3	<.10	.280	--	.020
JAN 04...	1315	4	.1	1.5	151	8.0	4.7	<.10	--	--	<.010
FEB 22...	1400	4	.0	1.2	127	7.8	4.4	<.10	--	--	<.010
APR 24...	1300	3	.0	1.4	129	7.8	4.1	<.10	.290	.260	.010
JUN 12...	1400	3	.0	1.5	128	8.4	4.6	<.10	--	--	<.010
AUG 01...	1200	3	.0	1.3	146	7.3	4.0	<.10	--	--	<.010

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 19...	1130	<.010	.300	.300	.040	.110	.26	.00	.30	.20	.10
JAN 04...	1315	<.010	.400	.350	.040	.050	.66	.85	.70	.00	.90
FEB 22...	1400	<.010	<.100	--	.020	.190	.58	.51	.60	.00	.70
APR 24...	1300	.010	.300	.270	.070	.090	1.8	.91	1.9	.90	1.0
JUN 12...	1400	.020	.200	<.100	.090	.050	.81	.75	.90	--	.80
AUG 01...	1200	<.010	.300	.370	.020	.090	--	--	<.10	--	<.10

DATE	TIME	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 19...	1130	.60	.40	.010	<.010	50	1	20	<1	5
JAN 04...	1315	1.1	1.3	.030	.010	--	--	<20	--	--
FEB 22...	1400	--	--	<.010	<.010	--	--	<20	--	--
APR 24...	1300	2.2	1.3	.010	<.010	--	--	<20	--	--
JUN 12...	1400	1.1	--	.010	<.010	--	--	<20	--	--
AUG 01...	1200	--	--	<.010	<.010	--	--	<20	--	--

DATE	TIME	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 19...	1130	<1	2	100	2	40	<.1	1	<1	10

07060590 MILL CREEK NEAR MELBOURNE, AR

LOCATION.--Lat 36°03'13", long 91°54'58", in SE 1/4 NE 1/4 sec.11, T.16 N., R.9 W., Izard County, Hydrologic Unit 11010004, at upstream side of bridge on State Highway 9, 0.4 mi southwest of water tower, and 0.6 mi south of intersection of State Highways 9 and 69.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
NOV, 1983									
08...	0930	9	9827	9827	7.5	12.0	13.0	4.0	6.0
DEC									
13...	1000	9	9827	9827	7.7	5.0	11.0	6.0	9.5
JAN, 1984									
17...	0945	9	9827	9827	7.6	-5.0	5.0	3.0	--
FEB									
14...	1000	9	9827	9827	7.7	9.0	11.0	20	9.9
MAR									
13...	0930	9	9827	9827	7.6	9.0	11.0	6.5	9.9
APR									
10...	0930	9	9827	9827	7.7	14.0	14.0	15	10.0
MAY									
08...	1000	9	9827	9827	7.6	14.0	14.0	30	9.7
JUN									
05...	1015	9	9827	9827	7.7	32.0	20.0	4.0	8.8
JUL									
17...	1030	9	9827	9827	7.6	35.0	22.0	7.0	6.3
AUG									
14...	1000	9	9827	9827	7.7	24.0	21.0	5.7	5.4
SEP									
11...	0945	9	9827	9827	7.7	24.0	22.0	--	5.9

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
08...	0930	2.4	590	1.0	30	262	.36	4	--
DEC									
13...	1000	1.6	360	4.0	13	211	.29	8	1.4
JAN, 1984									
17...	0945	1.8	700	4.0	16	224	.30	4	1.3
FEB									
14...	1000	2.4	930	8.0	11	213	.29	15	1.4
MAR									
13...	0930	1.4	370	6.0	10	202	.27	10	--
APR									
10...	0930	1.9	330	4.0	6.5	165	.22	16	1.1
MAY									
08...	1000	2.0	2600	--	6.0	159	.22	32	.81
JUN									
05...	1015	3.2	1600	4.0	12	202	.27	7	2.2
JUL									
17...	1030	2.8	760	6.0	19	213	.29	6	1.1
AUG									
14...	1000	2.3	390	3.0	22	230	.31	10	1.3
SEP									
11...	0945	3.4	220	4.0	31	234	.32	10	1.6

07060590 MILL CREEK NEAR MELBOURNE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983 08...	0930	.560	.260	.180	0	1	34	16	30
DEC 13...	1000	.160	.080	<.010	0	<1	40	34	30
JAN, 1984 17...	0945	.490	.190	.120	0	2	37	73	50
FEB 14...	1000	.310	.150	.090	0	<1	--	--	--
MAR 13...	0930	.150	.200	--	0	<1	41	17	40
APR 10...	0930	.120	.140	.090	0	<1	25	10	--
MAY 08...	1000	.130	.140	.050	0	<1	--	21	--
JUN 05...	1015	.070	.060	<.010	--	<1	<10	7	20
JUL 17...	1030	.080	.110	.060	0	<1	<10	6	20
AUG 14...	1000	.110	.090	.050	0	<1	<10	8	20
SEP 11...	0945	.210	.200	.120	0	<1	38	15	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984 14...	1000	.000	.000	.000	.000	.000	.00	<.01	.0

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, AR
(Hydrologic bench-mark station)

LOCATION.--Lat 35°59'43", long 92°12'45", in SW 1/4 NW 1/4 sec.25, T.16 N., R.12 W., Stone County, Hydrologic Unit 11010004, in right bank 30 ft upstream from bridge on Ozark National Forest service road, 200 ft downstream from Gunner Creek, 2.7 mi north of Fifty Six, and 7.0 mi upstream from South Sylamore Creek.

DRAINAGE AREA.--58.1 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1965 to current year.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 434.99 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for periods of no gage-height record, Aug 1 to Sept. 10, which are poor.

AVERAGE DISCHARGE.--18 years, 47.1 ft^3/s, 11.01 in/yr, 34,120 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,200 ft^3/s Dec. 3, 1982, gage height, 20.60 ft, from rating curve extended above 3,700 ft^3/s on basis of step-backwater computations; minimum, 1.6 ft^3/s Nov. 22, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,290 ft^3/s May 7, at 1200 hours, gage height, 10.13 ft, no other peak above base of 2,800 ft^3/s; minimum daily, 3.0 ft^3/s Aug. 1, 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	6.3	22	9.8	12	71	91	38	22	6.5	3.0	5.0
2	3.1	6.4	21	10	12	82	80	38	21	6.3	3.0	5.0
3	3.2	7.1	141	11	12	81	107	47	19	6.2	3.5	6.5
4	3.3	19	141	11	12	192	109	50	18	6.3	6.5	7.0
5	3.4	18	72	12	11	258	96	50	18	6.4	7.0	6.0
6	3.3	12	49	13	11	138	80	151	17	6.1	6.0	5.5
7	3.6	9.6	33	14	11	101	73	1390	17	6.0	9.5	5.0
8	3.9	8.7	25	13	11	80	145	449	16	6.0	6.5	5.0
9	3.9	8.3	20	12	11	62	246	177	16	6.0	4.5	4.5
10	4.0	8.4	18	13	11	52	165	121	14	5.8	6.5	8.5
11	4.2	8.6	43	14	20	47	125	96	13	5.6	6.0	5.3
12	5.0	8.8	48	13	131	49	105	76	12	6.1	5.5	5.0
13	5.7	8.6	37	12	109	58	86	65	11	6.1	5.5	4.5
14	5.6	8.8	31	12	77	55	75	56	11	6.4	5.0	4.5
15	5.3	9.3	26	12	60	52	69	52	11	6.4	5.0	5.5
16	5.0	10	21	12	46	49	62	48	10	7.4	5.0	6.0
17	5.3	9.7	18	12	36	105	58	41	11	9.7	5.0	5.0
18	6.4	9.8	16	12	32	127	53	40	10	9.2	4.5	5.0
19	6.3	42	15	11	30	104	50	39	10	7.2	4.5	4.5
20	6.1	69	14	10	28	85	48	39	14	6.3	6.0	4.5
21	8.9	33	14	9.0	25	70	60	38	19	5.6	6.0	6.0
22	9.5	19	13	9.4	24	60	73	36	12	5.4	5.5	7.0
23	7.6	432	12	11	23	52	66	33	10	5.2	5.0	8.0
24	6.6	90	9.6	12	22	72	61	32	8.8	4.9	5.0	7.0
25	6.0	47	9.8	13	21	89	56	31	8.2	4.5	5.0	6.0
26	6.1	27	9.9	13	23	81	51	31	7.5	4.5	5.5	5.5
27	6.0	122	9.9	13	111	77	50	33	7.4	4.4	5.5	6.0
28	6.2	113	11	13	100	149	46	33	7.1	4.1	5.0	5.1
29	6.1	58	11	13	79	181	44	30	6.8	3.8	5.0	4.6
30	6.3	34	9.8	12	---	125	41	27	6.5	3.6	5.0	4.3
31	6.3	---	9.9	12	---	102	---	25	---	3.2	5.0	---
TOTAL	165.3	1263.4	930.9	369.2	1111	2906	2471	3412	384.3	181.2	165.5	167.3
MEAN	5.33	42.1	30.0	11.9	38.3	93.7	82.4	110	12.8	5.85	5.34	5.58
MAX	9.5	432	141	14	131	258	246	1390	22	9.7	9.5	8.5
MIN	3.1	6.3	9.6	9.0	11	47	41	25	6.5	3.2	3.0	4.3
CFSM	.09	.72	.52	.20	.66	1.61	1.42	1.89	.22	.10	.09	.10
IN.	.11	.81	.60	.24	.71	1.86	1.58	2.18	.25	.12	.11	.11
AC-FT	328	2510	1850	732	2200	5760	4900	6770	762	359	328	332

CAL YR 1983 TOTAL 13512.1 MEAN 37.0 MAX 760 MIN 3.1 CFSM .64 IN. 8.65 AC-FT 26800
WTR YR 1984 TOTAL 13527.1 MEAN 37.0 MAX 1390 MIN 3.0 CFSM .64 IN. 8.66 AC-FT 26830

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, AR--CONTINUED
(National Radiochemical station)
(Hydrologic bench-mark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 19...	1030	9	80513	80010	4.6	270	8.0	17.0	17.0	<1.0	8.4
FEB 22...	1515	9	80513	80020	18	244	8.1	23.5	10.0	1.7	11.4
APR 24...	1415	9	80513	80010	56	231	8.3	27.0	16.0	<1.0	11.0
MAY 17...	0950	9	80513	80010	53	256	8.3	22.5	15.5	<1.0	10.0
JUN 12...	1500	9	80513	80010	11	270	8.2	29.0	27.0	1.5	8.7
AUG 01...	1300	9	80513	80010	3.2	268	8.6	33.0	24.0	.80	9.1

DATE	TIME	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT 19...	1030	88	755	4	170	150	7	7	47	7.1	1.5
FEB 22...	1515	103	746	0	1	120	3	3	40	5.7	1.2
APR 24...	1415	114	744	1	110	120	7	7	41	4.7	1.1
MAY 17...	0950	102	752	3	83	130	2	2	45	5.2	1.2
JUN 12...	1500	110	758	5	87	140	7	7	48	6.1	1.7
AUG 01...	1300	110	753	28	84	130	0	0	41	5.9	1.4

DATE	TIME	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
OCT 19...	1030	2	.0	.70	140	6.0	2.2	<.10	7.4	157	160
FEB 22...	1515	2	.0	.60	121	6.5	1.9	<.10	5.2	149	130
APR 24...	1415	2	.0	.60	115	6.6	1.9	<.10	6.5	131	130
MAY 17...	0950	2	.0	.70	132	6.5	1.7	.10	7.0	168	150
JUN 12...	1500	2	.0	.80	138	5.7	2.5	<.10	8.5	160	160
AUG 01...	1300	2	.0	.70	129	4.3	2.4	<.10	7.8	154	140

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
OCT 19...	1030	.21	<.100	.060	.30	<.010	<.010	<.010	<10	1	42
FEB 22...	1515	.20	<.100	.270	.20	<.010	<.010	<.010	--	--	--
APR 24...	1415	.18	<.100	.070	.20	<.010	<.010	<.010	<10	<1	21
MAY 17...	0950	.23	<.100	<.010	6.4	<.010	<.010	<.010	--	--	--
JUN 12...	1500	.22	.120	.340	.70	<.010	<.010	<.010	--	--	--
AUG 01...	1300	.21	.120	.110	.20	<.010	<.010	<.010	--	--	--

DATE	TIME	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
OCT 19...	1030	<.5	<1	<1	<3	2	8	1	<4	2
APR 24...	1415	<.5	<1	<1	<3	<1	6	2	<4	4

DATE	TIME	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM DISSOLVED, EXTRACTION (UG/L) (80020)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)
OCT 19...	1030	<.1	<10	1	<1	<1	42	4	--	--
FEB 22...	1515	--	--	--	--	--	--	--	.03	<4.1
APR 24...	1415	<.1	<10	<1	<1	<1	31	12	--	--

DATE	TIME	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 19...	1030	--	--	--	--	--	--	9	.11	53
FEB 22...	1515	<.4	<2.0	.5	<1.7	.5	.07	1	.05	67
APR 24...	1415	--	--	--	--	--	--	1	.15	57
MAY 17...	0950	--	--	--	--	--	--	2	.29	33
JUN 12...	1500	--	--	--	--	--	--	11	.33	14
AUG 01...	1300	--	--	--	--	--	--	0	.00	67

07061000 WHITE RIVER AT BATESVILLE, AR

LOCATION.--Lat 35°45'37", long 91°38'28", in SW 1/4 NE 1/4 sec.21, T.13 W., R.6 W., Independence County, Hydrologic Unit 11010004, on left bank of Lock and Dam 1.

PERIOD OF RECORD.-- November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983										
29...	1130	9	9827	9827	9050	--	8.0	9.0	--	--
JAN, 1984										
10...	1230	9	9827	9827	--	--	3.0	.0	3.0	12.0
24...	1230	9	9827	9827	--	7.9	5.0	3.0	5.0	13.5
FEB										
21...	1230	9	9827	9827	5760	8.0	14.0	9.0	4.0	11.4
MAR										
20...	1200	9	9827	9827	14600	8.0	--	--	6.3	--
APR										
24...	1300	9	9827	9827	29000	8.0	26.0	13.0	6.0	11.2
MAY										
22...	1300	9	9827	9827	19800	8.1	34.0	23.0	4.0	10.5
JUN										
19...	1200	9	9827	9827	5800	8.0	35.0	25.0	3.5	8.9
JUL										
31...	1300	9	9827	9827	3800	8.1	28.0	24.0	3.0	9.4
AUG										
21...	1300	9	9827	9827	3300	8.0	35.0	20.0	2.5	9.9
SEP										
25...	1300	9	9827	9827	3240	8.2	31.0	22.0	5.5	8.8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
29...	1130	--	68	--	--	--	--	--	--
JAN, 1984									
10...	1230	.9	32	6.0	7.5	172	.23	5	.28
24...	1230	1.8	370	7.0	6.5	154	.21	12	.34
FEB									
21...	1230	1.2	36	--	5.0	163	.22	6	.29
MAR									
20...	1200	1.2	120	7.0	2.0	147	.20	12	.30
APR									
24...	1300	.8	65	9.0	4.5	147	.20	11	.28
MAY									
22...	1300	1.0	510	5.0	4.0	147	.20	9	.28
JUN									
19...	1200	1.6	36	6.0	7.0	163	.22	7	.25
JUL									
31...	1300	1.0	60	11	3.0	162	.22	4	.37
AUG									
21...	1300	1.9	44	--	6.0	152	.21	6	.36
SEP									
25...	1300	1.0	570	6.0	4.5	162	.22	8	.31

07061000 WHITE RIVER AT BATESVILLE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JAN, 1984									
10...	1230	.010	.020	.010	1	<1	14	7	20
24...	1230	.020	.030	<.010	0	--	<10	5	0
FEB									
21...	1230	<.010	.030	.020	0	<1	<10	--	--
MAR									
20...	1200	.010	.050	.010	0	<1	20	4	20
APR									
24...	1300	.010	.060	.010	0	<1	14	5	20
MAY									
22...	1300	.060	.030	<.010	0	1	<10	2	20
JUN									
19...	1200	--	--	<.010	--	2	<10	2	0
JUL									
31...	1300	<.010	.040	.010	0	<1	<10	6	20
AUG									
21...	1300	<.010	.020	<.010	0	<1	<10	4	20
SEP									
25...	1300	<.010	.050	.010	0	<1	<10	4	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
31...	1300	.000	.000	<.010	<2.0	.000	.00	<.01	.0

07061094 WHITE RIVER NEAR SALADO, AR

LOCATION.--Lat 35°42'03" long 91°33'19", in NW 1/4 NW 1/4 sec.5, T.12 N., R.5 W., Independence County, Hydrologic Unit 11010004, at left bank off sandbar at end of county road 1.8 mi south of State Highway 394, and 0.2 mi below confluence with Salado Creek, and at mile 288.

DRAINAGE AREA.--11,198 mi^2

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983										
29...	1200	9	9827	9827	9210	--	8.0	11.0	--	--
JAN, 1984										
10...	1330	9	9827	9827	--	--	3.0	8.0	3.0	11.3
24...	1330	9	9827	9827	--	7.7	8.0	5.0	2.6	13.8
FEB										
21...	1245	9	9827	9827	5770	8.1	14.0	10.0	3.6	12.3
MAR										
20...	1300	9	9827	9827	14600	8.1	--	--	6.0	--
APR										
24...	1400	9	9827	9827	29000	8.0	25.0	13.0	6.2	11.1
MAY										
22...	1330	9	9827	9827	19800	8.0	28.0	22.0	3.0	10.7
JUN										
19...	1300	9	9827	9827	5800	8.0	37.0	23.0	4.0	9.6
JUL										
31...	1340	9	9827	9827	3800	7.9	25.0	20.0	4.0	9.1
AUG										
21...	1330	9	9827	9827	3300	7.9	35.0	20.0	4.5	8.6
SEP										
25...	1330	9	9827	9827	3240	8.4	32.0	22.0	4.5	11.8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
29...	1200	--	170	--	--	--	--	--	--
JAN, 1984									
10...	1330	.7	40	6.0	12	200	.27	2	.49
24...	1330	1.0	68	6.0	9.0	175	.24	6	.41
FEB									
21...	1245	1.3	8	--	5.5	167	.23	6	.25
MAR									
20...	1300	1.1	70	6.0	3.0	149	.20	10	.29
APR									
24...	1400	.8	40	10	4.0	145	.20	10	.28
MAY									
22...	1330	.8	180	4.0	4.0	--	--	152	.32
JUN									
19...	1300	1.6	60	6.0	8.0	166	.23	5	.28
JUL									
31...	1340	.9	16	11	5.5	173	.24	8	.44
AUG									
21...	1330	.6	48	--	6.0	166	.23	15	.38
SEP									
25...	1330	--	160	4.0	7.5	172	.23	9	.31

07061094 WHITE RIVER NEAR SALADO, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JAN, 1984									
10...	1330	.010	.020	<.010	1	<1	<10	5	10
24...	1330	.020	.030	<.010	0	--	<10	5	0
FEB									
21...	1245	.020	.040	.020	0	<1	<10	--	--
MAR									
20...	1300	.020	.040	.010	0	<1	13	1	0
APR									
24...	1400	<.010	.060	.010	0	<1	<10	<1	0
MAY									
22...	1330	.070	.020	<.010	0	1	<10	<1	10
JUN									
19...	1300	--	--	<.010	--	1	<10	3	30
JUL									
31...	1340	<.010	.040	.010	0	<1	<10	4	20
AUG									
21...	1330	<.010	.020	<.010	0	2	<10	3	0
SEP									
25...	1330	<.010	.050	.010	0	<1	12	7	10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
21...	1330	.000	.000	.000	.000	.000	.00	<.01	.0

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO

LOCATION.--Lat 37°08'12", long 90°46'23", in NW 1/4 sec.6, T.28 N., R.3 E., Wayne County, Hydrologic Unit 11010007, at log boom at dam on Black River, 2.3 mi upstream from Brewer Bay, 4.5 mi west of Piedmont, and at mile 257.4.

DRAINAGE AREA.--898 mi^2.

PERIOD OF RECORD.--October 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
OCT								
17...	1420	9	80513	80513	.00	30.0	245	8.4
17...	1422	9	80513	80513	10.0	30.0	245	8.2
17...	1424	9	80513	80513	20.0	30.0	245	8.1
17...	1425	9	80513	80513	30.0	30.0	260	7.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
17...	1420	19.0	37.2	.90	9.9	108	755
17...	1422	18.0	--	--	7.5	--	--
17...	1424	17.5	--	--	7.2	--	--
17...	1425	17.5	--	--	5.6	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV								
17...	1325	9	80513	80513	.00	31.0	28	8.8
17...	1326	9	80513	80513	10.0	31.0	28	8.8
17...	1327	9	80513	80513	20.0	31.0	28	8.8
17...	1328	9	80513	80513	30.0	31.0	28	8.8
17...	1330	9	80513	80513	31.0	31.0	28	8.8

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
17...	1325	11.0	54.0	1.40	10.0	92	749
17...	1326	11.0	--	--	9.8	--	--
17...	1327	10.5	--	--	9.6	--	--
17...	1328	10.5	--	--	9.4	--	--
17...	1330	10.5	--	--	9.4	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JAN								
23...	1530	9	80513	80513	.00	28.0	215	7.6
23...	1532	9	80513	80513	10.0	28.0	220	7.7
23...	1534	9	80513	80513	20.0	28.0	220	7.7
23...	1535	9	80513	80513	28.0	28.0	220	7.7

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JAN							
23...	1530	3.0	31.2	.80	11.8	89	752
23...	1532	4.0	--	--	11.6	--	--
23...	1534	4.0	--	--	11.6	--	--
23...	1535	4.0	--	--	11.5	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
FEB											
15...	1220	9	80513	80513	.00	34.0	240	8.2	21.0	7.5	44.4
15...	1221	9	80513	80010	3.00	34.0	--	--	--	--	--
15...	1225	9	80513	80010	7.00	34.0	240	8.2	--	6.5	--
15...	1226	9	80513	80513	10.0	34.0	240	8.2	--	6.0	--
15...	1228	9	80513	80513	20.0	34.0	235	8.2	--	5.5	--
15...	1230	9	80513	80010	27.0	34.0	247	8.2	--	5.0	--
15...	1233	9	80513	80513	30.0	34.0	235	8.2	--	5.0	--
15...	1235	9	80513	80513	34.0	34.0	235	8.2	--	5.0	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
FEB											
15...	1220	1.10	11.9	101	752	--	--	--	0	--	--
15...	1221	--	--	--	752	--	--	--	--	--	--
15...	1225	--	12.0	--	--	1	4.1	1.1	--	110	0
15...	1226	--	12.0	--	--	--	--	--	--	--	--
15...	1228	--	12.1	--	--	--	--	--	--	--	--
15...	1230	--	12.1	--	--	5	4.0	1.2	--	120	11
15...	1233	--	12.1	--	--	--	--	--	--	--	--
15...	1235	--	12.0	95	752	--	--	--	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
FEB										
15...	1225	0	23	58	12	106	15	5.3	.300	<.010
15...	1230	11	22	55	15	106	13	4.8	.500	.070

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
FEB										
15...	1221	--	--	--	--	--	--	--	2.20	<.100
15...	1225	--	.80	1.1	.020	<.010	290	50	--	--
15...	1230	.43	.50	1.0	--	<.010	150	70	--	--

BEST [illegible]

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR								
26...	1340	9	80513	80513	.00	43.0	162	8.0
26...	1345	9	80513	80513	10.0	43.0	164	7.9
26...	1350	9	80513	80513	20.0	43.0	158	7.9
26...	1355	9	80513	80513	30.0	43.0	158	7.9
26...	1358	9	80513	80513	40.0	43.0	158	7.9
26...	1400	9	80513	80513	43.0	4 .0	158	7.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
26...	1340	8.0	13.2	.30	11.0	94	753
26...	1345	8.0	--	--	9.5	--	--
26...	1350	7.5	--	--	7.0	--	--
26...	1355	7.5	--	--	6.1	--	--
26...	1358	7.5	--	--	6.2	--	--
26...	1400	7.5	--	--	7.0	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
APR								
18...	0900	9	80513	80513	.00	30.0	179	8.2
18...	0905	9	80513	80513	10.0	30.0	179	8.2
18...	0910	9	80513	80513	20.0	30.0	180	8.2
18...	0920	9	80513	80513	30.0	30.0	180	8.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
18...	0900	12.5	21.6	.60	9.2	88	748
18...	0905	12.0	--	--	9.1	--	--
18...	0910	12.0	--	--	9.1	--	--
18...	0920	12.0	--	--	9.1	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
30...	1050	9	80513	80513	.00	35.0	190	8.0	18.5	21.0	45.6
30...	1051	9	80513	80010	3.00	35.0	--	--	--	--	--
30...	1055	9	80513	80010	7.00	35.0	190	7.9	--	21.0	--
30...	1056	9	80513	80513	10.0	35.0	190	7.9	--	21.0	--
30...	1058	9	80513	80513	20.0	35.0	190	7.9	--	20.5	--
30...	1100	9	80513	80513	25.0	35.0	188	7.8	--	19.5	--
30...	1105	9	80513	80010	28.0	35.0	187	7.7	--	18.5	--
30...	1106	9	80513	80513	30.0	35.0	185	7.7	--	17.5	--
30...	1108	9	80513	80513	31.0	35.0	182	7.7	--	16.5	--
30...	1109	9	80513	80513	33.0	35.0	180	7.7	--	15.5	--
30...	1110	9	80513	80513	35.0	35.0	178	7.6	--	15.0	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
MAY										
30...	1050	1.20	8.4	95	758	--	--	--	5	--
30...	1051	--	--	--	758	--	--	--	--	--
30...	1055	--	8.4	95	758	<1	2.8	.9	--	38
30...	1056	--	8.4	--	--	--	--	--	--	--
30...	1058	--	8.2	--	--	--	--	--	--	--
30...	1100	--	5.8	--	--	--	--	--	--	--
30...	1105	--	5.4	58	758	--	8.8	1.2	--	37
30...	1106	--	5.2	--	--	--	--	--	--	--
30...	1108	--	4.8	--	--	--	--	--	--	--
30...	1109	--	4.4	--	--	--	--	--	--	--
30...	1110	--	3.9	--	--	--	--	--	--	--

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY										
30...	1051	.200	.060	3.1	3.2	3.4	<.010	<.010	1.50	<.100
30...	1055	.200	.070	2.2	2.3	2.5	<.010	<.010	--	--
30...	1105	.200	.110	3.3	3.4	3.6	<.010	<.010	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
JUN								
28...	0910	9	80513	80513	.00	35.0	235	8.7
28...	0912	9	80513	80513	10.0	35.0	230	8.7
28...	0914	9	80513	80513	14.0	35.0	235	8.6
28...	0916	9	80513	80513	15.0	35.0	245	8.1
28...	0918	9	80513	80513	20.0	35.0	245	7.8
28...	0920	9	80513	80513	23.0	35.0	240	7.6
28...	0922	9	80513	80513	25.0	35.0	240	7.6
28...	0924	9	80513	80513	30.0	35.0	235	7.5
28...	0926	9	80513	80513	31.0	35.0	235	7.5
28...	0928	9	80513	80513	32.0	35.0	225	7.5
28...	0930	9	80513	80513	35.0	35.0	220	7.5

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JUN							
28...	0910	27.5	49.2	1.20	7.8	101	750
28...	0912	27.5	--	--	7.7	--	--
28...	0914	26.5	--	--	7.6	--	--
28...	0916	25.5	--	--	5.7	--	--
28...	0918	24.5	--	--	3.0	--	--
28...	0920	23.5	--	--	.5	--	--
28...	0922	22.5	--	--	.4	--	--
28...	0924	21.5	--	--	.0	--	--
28...	0926	19.5	--	--	.0	--	--
28...	0928	17.5	--	--	.0	--	--
28...	0930	16.5	--	--	.0	--	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
JUL										
19...	0850	9	80513	80513	.00	35.0	200	8.6	28.0	90.0
19...	0851	9	80513	80010	3.00	35.0	200	8.6	28.0	--
19...	0852	9	80513	80513	10.0	35.0	200	8.6	28.0	--
19...	0854	9	80513	80513	16.0	35.0	210	8.0	27.0	--
19...	0856	9	80513	80513	17.0	35.0	215	7.8	26.0	--
19...	0858	9	80513	80513	20.0	35.0	15	7.7	25.5	--
19...	0900	9	80513	80513	25.0	35.0	220	7.6	24.5	--
19...	0902	9	80513	80513	27.0	35.0	220	7.6	23.5	--
19...	0904	9	80513	80513	30.0	35.0	230	7.6	22.5	--
19...	0906	9	80513	80513	32.0	35.0	230	7.6	21.5	--
19...	0908	9	80513	80513	34.0	35.0	215	7.6	20.5	--
19...	0910	9	80513	80513	35.0	35.0	205	7.6	19.5	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL									
19...	0850	2.30	7.7	100	754	--	--	--	--
19...	0851	--	7.7	100	754	.010	<.010	1.80	<.100
19...	0852	--	7.7	--	--	--	--	--	--
19...	0854	--	3.7	--	--	--	--	--	--
19...	0856	--	2.2	--	--	--	--	--	--
19...	0858	--	1.0	--	--	--	--	--	--
19...	0900	--	.0	--	--	--	--	--	--
19...	0902	--	.0	--	--	--	--	--	--
19...	0904	--	.0	--	--	--	--	--	--
19...	0906	--	.0	--	--	--	--	--	--
19...	0908	--	.0	--	--	--	--	--	--
19...	0910	--	.0	--	--	--	--	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)
AUG									
22...	1020	9	80513	80513	.00	33.0	255	8.5	26.0
22...	1021	9	80513	80010	3.00	33.0	--	--	--
22...	1025	9	80513	80010	6.50	33.0	255	8.5	--
22...	1028	9	80513	80513	10.0	33.0	255	8.5	--
22...	1030	9	80513	80513	20.0	33.0	265	7.9	--
22...	1035	9	80513	80010	26.5	33.0	265	7.6	--
22...	1038	9	80513	80513	28.0	33.0	275	7.6	--
22...	1040	9	80513	80513	30.0	33.0	275	7.6	--
22...	1042	9	80513	80513	31.0	33.0	270	7.6	--
22...	1044	9	80513	80513	32.0	33.0	265	7.6	--
22...	1045	9	80513	80513	33.0	33.0	260	7.6	--

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
AUG									
22...	1020	26.5	68.4	1.70	6.9	87	753	--	--
22...	1021	--	--	--	--	--	753	--	--
22...	1025	26.5	--	--	6.9	87	753	1	1.0
22...	1028	26.5	--	--	6.8	--	--	--	--
22...	1030	25.5	--	--	1.9	--	--	--	--
22...	1035	24.5	--	--	.1	1	753	15	15
22...	1038	23.5	--	--	.1	--	--	--	--
22...	1040	22.5	--	--	.1	--	--	--	--
22...	1042	21.5	--	--	.1	--	--	--	--
22...	1044	20.5	--	--	.1	--	--	--	--
22...	1045	19.0	--	--	.1	--	--	--	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
22...	1020	--	1	--	--	--	--	--	--
22...	1021	--	--	--	--	--	--	1.10	<.100
22...	1025	1.4	--	121	<.100	<.010	<.010	--	--
22...	1035	1.2	--	125	<.100	<.010	<.010	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
SEP										
19...	1600	9	80513	80513	.00	34.0	250	8.3	25.0	49.2
19...	1601	9	80513	80010	3.00	34.0	250	8.4	24.0	--
19...	1605	9	80513	80513	7.00	34.0	245	8.4	23.0	--
19...	1610	9	80513	80513	10.0	34.0	245	8.3	22.5	--
19...	1615	9	80513	80513	20.0	34.0	250	8.2	22.0	--
19...	1620	9	80513	80513	30.0	34.0	260	8.0	21.0	--
19...	1625	9	80513	80513	34.0	34.0	260	7.9	20.0	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP									
19...	1600	1.20	7.8	96	754	--	--	--	--
19...	1601	--	7.7	93	754	.010	<.010	2.20	<.100
19...	1605	--	7.7	--	--	--	--	--	--
19...	1610	--	7.2	--	--	--	--	--	--
19...	1615	--	5.8	--	--	--	--	--	--
19...	1620	--	3.2	--	--	--	--	--	--
19...	1625	--	.5	--	--	--	--	--	--

07062010 BLACK RIVER AT CLEARWATER DAM, MO

LOCATION.--Lat 37°07'55", long 90°46'05", in NW 1/4 sec.6, T.28 N., R.3 E., Wayne County, Hydrologic Unit 11010007, at Clearwater Dam, 2.3 mi upstream from Brewer Bay, 4.5 mi west of Piedmont, and at mile 257.4.

DRAINAGE AREA.--898 mi^2.

PERIOD OF RECORD.--October 1978 to current year.

REMARKS.--Flow completely regulated by Clearwater Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 17...	1400	9	80513	80513	423	245	8.0	18.0	8.7
NOV 17...	1250	9	80513	80513	296	30	8.2	10.5	10.8
JAN 23...	1600	9	80513	80513	295	220	7.7	4.0	12.4

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
FEB 15...	1200	9	80513	80010	2370	240	8.1	19.5	7.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)
FEB 15...	1200	13.2	110	752	7	6.0	1.1	1	99

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
FEB 15...	1200	0	0	20	50	12	108	13	5.4

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
FEB 15...	1200	.100	<.010	1.1	1.2	.020	<.010	230	60

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR 26...	1320	9	80513	80513	1950	162	8.1	8.0	12.1
APR 18...	0820	9	80513	80513	1330	182	8.2	12.0	10.3

07062010 BLACK RIVER AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
MAY 30...	1020	9	80513	80010	469	190	7.8	20.5	20.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY 30...	1020	8.9	98	759	<1	5.0	1.2	10	43

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 30...	1020	.200	.070	2.6	2.7	2.9	<.010	<.010

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 28...	0840	9	80513	80513	537	240	8.0	24.5	6.6
JUL 19...	0820	9	80513	80513	202	225	7.7	25.0	6.9

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG 22...	0945	9	80513	80010	163	268	7.7	23.0	25.0	6.6	81

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 22...	0945	754	3	4.2	1.7	38	124	<.100	<.010	<.010

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 19...	1540	9	80513	80513	238	250	7.7	22.0	7.8

07064000 BLACK RIVER NEAR CORNING, AR

LOCATION.--Lat 36°24'07", long 90°32'29", in SW 1/4 NE 1/4 sec.4, T.20 N., R.5 E., Clay County, Hydrologic Unit 11010007, near left bank on downstream side of bridge on U.S. Highway 62, 2.2 mi east of Corning, 11.9 mi downstream from Cane Creek, and at mile 152.2.

DRAINAGE AREA.--1,749 mi^2.

PERIOD OF RECORD.--October 1938 to current year. Gage-height records collected January 1925 to December 1929 at site 7.0 mi downstream are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 272.90 ft above mean Gulf level (Corps of Engineers bench mark). Prior to Nov. 5, 1953, nonrecording gage, and Nov. 5, 1953, to Oct. 9, 1957, water-stage recorder, at site 30 ft downstream at present datum.

REMARKS.--Records good. Some regulation since June 3, 1948, by Clearwater Lake (Missouri), 105 mi upstream, capacity, 413,700 acre-ft.

AVERAGE DISCHARGE.--46 years, 1,806 ft^3/s, 1,308,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,600 ft^3/s June 13, 1945; maximum gage height, 16.92 ft June 13, 1945; minimum discharge, 224 ft^3/s Sept. 22-27, 1941; minimum gage height observed, -0.52 ft Sept. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 18, 1927, reached a stage of 14.4 ft, from records of Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum dicharge, 7,300 ft^3/s Apr. 5, gage height, 11.96 ft; minimum, 342 ft^3/s Oct. 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	349	718	3590	4550	1330	1360	4270	1270	1470	741	383	431
2	344	698	3210	4550	1270	1330	3950	1240	1280	672	372	429
3	343	788	3150	4520	1240	1330	4130	1290	1170	608	395	428
4	350	1110	3630	4500	1250	1350	5770	1290	1100	568	835	425
5	671	1610	4760	4500	1250	1520	7160	1210	1060	635	1600	430
6	1150	1770	5680	4320	1200	1820	6290	1250	1030	878	1760	434
7	1100	1580	5520	4200	1110	1960	5230	1900	982	1030	1540	434
8	840	1250	4910	4030	1030	1930	4590	3100	907	969	1130	433
9	645	1010	4240	3780	977	1770	4440	4630	845	819	788	447
10	560	965	3730	3510	956	1610	4940	5130	823	735	599	515
11	546	1010	3620	3180	959	1670	5400	4600	811	702	504	609
12	569	1080	4320	2880	1110	1830	5060	4010	795	687	468	786
13	605	1100	5630	2630	2030	1990	4580	3600	790	671	476	867
14	645	1040	5670	2360	3240	2120	4300	3440	783	666	493	788
15	719	967	4870	2030	3970	2190	4170	3420	762	668	497	649
16	776	895	4220	1690	3860	2210	4100	3420	742	770	497	554
17	829	812	3830	1410	3410	2310	4030	3390	723	899	496	531
18	913	739	3620	1220	3030	2540	3900	3350	713	896	497	532
19	953	700	3570	1140	2810	3060	3750	3320	702	838	493	535
20	889	1030	3650	1130	2720	3820	3550	3350	691	729	480	537
21	755	1700	3700	1110	2660	4350	3290	3360	679	614	449	539
22	704	2330	3750	1030	2550	4450	2980	3260	626	531	425	506
23	798	3400	3900	979	2350	4120	2690	3050	581	485	419	573
24	753	4500	4000	1040	2100	3740	2460	2820	571	456	443	1410
25	651	6300	4150	1200	1880	3490	2210	2630	572	437	455	1940
26	570	6100	4300	1380	1700	3480	1950	2480	625	428	441	2010
27	546	5800	4500	1460	1570	3580	1640	2500	663	424	419	1750
28	623	5600	4600	1460	1460	3690	1360	2530	693	423	422	1490
29	702	5200	4600	1410	1400	3930	1170	2380	728	416	430	1370
30	739	4100	4650	1380	---	4510	1210	2070	755	404	431	1310
31	748	---	4600	1380	---	4600	---	1730	---	394	435	---
TOTAL	21385	65902	132170	75959	56422	83660	114570	87020	24672	20193	19072	23692
MEAN	690	2197	4264	2450	1946	2699	3819	2807	822	651	615	790
MAX	1150	6300	5680	4550	3970	4600	7160	5130	1470	1030	1760	2010
MIN	343	698	3150	979	956	1330	1170	1210	571	394	372	425
AC-FT	42420	130700	262200	150700	111900	165900	227200	172600	48940	40050	37830	46990

CAL YR 1983 TOTAL 909761 MEAN 2492 MAX 12600 MIN 339 AC-FT 1805000
WTR YR 1984 TOTAL 724717 MEAN 1980 MAX 7160 MIN 343 AC-FT 1437000

BEST COPY AVAILABLE

07068850 CURRENT RIVER NEAR POCAHONTAS, AR

LOCATION.--Lat 36°17'55", long 90°51'30", in SE 1/4 SE 1/4 sec.10, T.19 N., R.2 E., Randolph County, Hydrologic Unit 11010008, at bridge on U.S. Highway 67, 5.5 mi northeast of Pocahontas.

DRAINAGE AREA.--2,606 mi^2.

PERIOD OF RECORD.--Water years 1955-58, October 1970 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
18...	1500	9	9827	9827	1520	8.1	19.0	17.0	2.5	9.6
NOV										
29...	0740	9	9827	9827	9930	--	1.0	9.0	--	--
JAN, 1984										
10...	0800	9	9827	9827	2810	--	3.0	5.0	5.0	10.9
24...	0800	9	9827	9827	2280	7.9	2.0	4.0	2.4	12.1
FEB										
21...	0835	9	9827	9827	3490	7.8	5.0	10.0	20	10.9
MAR										
20...	0800	9	9827	9827	6010	7.6	--	--	110	--
APR										
24...	0900	9	9827	9827	5780	7.8	20.0	14.0	25	9.6
MAY										
22...	0803	9	9827	9827	3830	7.8	25.0	18.0	4.0	--
JUN										
19...	0825	9	9827	9827	2190	8.0	31.0	25.0	8.0	8.0
JUL										
31...	0800	9	9827	9827	1720	8.0	28.0	23.0	7.5	8.4
AUG										
21...	0830	9	9827	9827	1620	8.0	26.0	23.0	5.5	8.4
SEP										
25...	0800	9	9827	9827	1680	7.7	25.0	20.0	30	7.6

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
18...	1500	2.0	12	4.0	4.5	176	.24	5	.16
NOV									
29...	0740	--	250	--	--	--	--	--	--
JAN, 1984									
10...	0800	.6	80	4.0	5.0	147	.20	6	.50
24...	0800	1.2	16	2.0	4.0	165	.22	3	.43
FEB									
21...	0835	1.2	20	--	4.0	152	.21	36	.35
MAR									
20...	0800	2.3	410	7.0	2.0	132	.18	219	.33
APR									
24...	0900	1.4	310	9.0	2.5	127	.17	36	.33
MAY									
22...	0803	.4	12	1.0	2.0	129	.18	9	.25
JUN									
19...	0825	1.2	8	3.0	5.0	173	.24	22	.31
JUL									
31...	0800	.7	<4	5.0	2.5	178	.24	15	.25
AUG									
21...	0830	1.1	24	--	3.5	182	.25	13	.33
SEP									
25...	0800	1.1	110	<1.0	2.5	151	.21	50	.28

07068850 CURRENT RIVER NEAR POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1983									
18...	1500	.030	.020	<.010	0	<1	<10	<1	0
JAN, 1984									
10...	0800	.020	.020	.010	0	1	<10	1	0
24...	0800	.060	.020	.030	0	--	<10	3	0
FEB									
21...	0835	.030	.060	.040	0	2	10	--	--
MAR									
20...	0800	.100	.140	.060	0	3	11	3	140
APR									
24...	0900	.040	.070	.020	0	<1	12	3	20
MAY									
22...	0803	.070	.030	.010	0	2	<10	<1	0
JUN									
19...	0825	--	--	.020	--	<1	<10	1	0
JUL									
31...	0800	<.010	.050	.020	0	2	<10	6	30
AUG									
21...	0830	.040	.040	.010	0	<1	<10	5	20
SEP									
25...	0800	.020	.080	.030	0	1	20	11	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
JUL, 1984									
31...	0800	.000	.000	.000	.000	.000	.00	<.01	.0

07069000 BLACK RIVER AT POCAHONTAS, AR

LOCATION.--Lat 36°15'14", long 90°58'12", in SW 1/4 SW 1/4 sec.27, T.19 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at gaging station near bank on downstream side of bridge on U.S. Highway 67 at Pocahontas, 1.6 mi downstream from Fourche Creek, 6.1 mi downstream from Current River, 18.1 mi upstream from Spring River, and at mile 90.1.

DRAINAGE AREA.--4,845 mi^2.

PERIOD OF RECORD.--October 1965 to September 1966, October 1977 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
18...	1430	9	9827	9827	1760	8.1	18.0	17.0	9.4	9.3
NOV										
29...	0800	9	9827	9827	12100	--	1.0	9.0	--	--
JAN, 1984										
10...	0845	9	9827	9827	10200	--	3.0	5.0	20	7.8
24...	0900	9	9827	9827	8250	7.7	2.0	2.0	8.2	11.6
FEB										
21...	0900	9	9827	9827	7360	7.5	5.0	8.0	40	9.3
MAR										
20...	0830	9	9827	9827	9140	7.8	--	--	45	--
APR										
24...	0945	9	9827	9827	10500	7.8	22.0	14.0	20	9.1
MAY										
22...	0900	9	9827	9827	7460	7.5	25.0	18.0	20	6.9
JUN										
19...	0900	9	9827	9827	2970	7.9	31.0	23.0	30	7.0
JUL										
31...	0845	9	9827	9827	1900	8.0	28.0	25.0	20	7.9
AUG										
21...	0915	9	9827	9827	1820	8.0	26.0	23.0	20	8.1
SEP										
25...	0930	9	9827	9827	3660	8.1	25.0	21.0	25	8.5

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
18...	1430	2.1	40	4.0	4.0	178	.24	18	.15
NOV									
29...	0800	--	320	--	--	--	--	--	--
JAN, 1984									
10...	0845	<.1	88	6.0	4.5	119	.16	35	.32
24...	0900	1.5	210	4.0	4.5	150	.20	16	.41
FEB									
21...	0900	1.7	32	--	4.0	138	.19	35	.23
MAR									
20...	0830	1.3	290	6.0	2.0	140	.19	86	.33
APR									
24...	0945	1.3	160	9.0	3.0	133	.18	32	.25
MAY									
22...	0900	.5	16	5.0	2.5	218	.30	28	--
JUN									
19...	0900	1.2	40	3.0	5.0	168	.23	46	.34
JUL									
31...	0845	.6	40	10	3.0	176	.24	32	.22
AUG									
21...	0915	2.1	24	--	3.5	170	.23	34	.21
SEP									
25...	0930	1.4	450	<1.0	3.0	172	.23	44	.27

07069000 BLACK RIVER AT POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1983									
18...	1430	.010	.050	.010	0	<1	<10	<1	0
JAN, 1984									
10...	0845	.010	.040	<.010	0	2	<10	6	20
24...	0900	.030	.050	.010	0	--	19	18	20
FEB									
21...	0900	.040	.080	.040	0	2	29	--	--
MAR									
20...	0830	.050	.100	.030	0	2	12	7	30
APR									
24...	0945	.020	.080	.010	0	<1	14	<1	0
MAY									
22...	0900	--	.070	--	0	1	<10	<1	0
JUN									
19...	0900	--	--	.010	--	<1	<10	14	50
JUL									
31...	0845	.010	.070	.040	0	<1	<10	7	10
AUG									
21...	0915	<.010	.050	.020	0	<1	<10	<1	0
SEP									
25...	0930	.010	.070	.030	0	1	<10	6	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
JUL, 1984									
31...	0845	.000	.000	.000	.000	.000	.00	<.01	.0

07069200 MAMMOTH SPRING AT MAMMOTH SPRING, AR

LOCATION.--Lat 36°29'53", long 91°32'08", in SE 1/4 SW 1/4 sec.5, T.21 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at north bank of spring outlet pool, 0.25 mi upstream from confluence of Mammoth Spring and Warm Fork at town of Mammoth Spring.

PERIOD OF RECORD.--Occasional low-flow measurements made beginning in 1924. February 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 500.90 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those for period of no gage-height record, Mar. 30 to May 2, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 689 ft^3/s Dec. 3, 1982, gage height, 5.10 ft; minimum, 182 ft^3/s Dec. 17-21, 28-31, 1981, Jan. 1-2, 1982, gage height, 3.74 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 498 ft^3/s Nov. 23, gage height, 4.73 ft; minimum, 254 ft^3/s Oct. 30, 31, Nov. 1, 2, 3, gage height, 4.05 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 19 3 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	254	489	460	382	386	430	445	420	353	305	271
2	280	254	485	456	379	386	430	445	415	350	305	268
3	280	261	488	452	379	386	430	443	405	347	303	268
4	280	372	496	452	379	388	435	443	400	346	300	268
5	280	382	498	452	377	402	435	440	400	342	296	266
6	285	382	498	427	375	410	435	437	397	341	296	265
7	296	382	498	427	370	415	440	458	394	339	295	264
8	296	378	498	427	363	416	450	468	393	335	292	262
9	291	373	498	427	361	416	455	466	390	333	292	265
10	286	365	496	427	361	416	465	464	387	332	291	265
11	282	357	494	427	361	416	465	464	383	329	289	265
12	280	354	494	427	364	416	460	464	382	329	289	263
13	277	346	494	426	384	416	460	460	379	325	287	262
14	277	342	494	424	392	416	460	459	376	325	286	262
15	276	336	494	423	393	416	455	456	375	322	286	262
16	271	328	494	420	396	416	455	452	379	322	283	262
17	269	322	494	412	397	416	450	450	387	322	283	262
18	265	318	494	408	397	416	450	450	390	321	283	260
19	263	342	494	406	397	417	450	450	386	318	283	258
20	259	421	490	404	397	420	450	450	385	315	283	257
21	257	426	490	397	397	424	455	450	382	315	283	257
22	262	427	485	397	397	424	450	450	379	312	280	258
23	262	475	481	394	397	426	445	460	375	311	280	285
24	262	498	481	390	397	427	445	460	372	308	279	292
25	262	498	474	390	397	427	450	455	369	308	277	290
26	262	495	472	390	397	427	450	450	365	307	277	289
27	260	490	472	390	393	427	450	450	364	308	276	289
28	257	490	472	390	393	427	450	440	361	308	272	289
29	257	490	467	390	388	428	450	435	358	308	271	285
30	254	490	462	386	---	430	445	430	356	308	271	281
31	254	---	460	386	---	430	---	420	---	308	271	---
TOTAL	8422	11648	15096	12884	11160	12883	13450	13964	11504	10047	8864	8090
MEAN	272	388	487	416	385	416	448	450	383	324	286	270
MAX	296	498	498	460	397	430	465	468	420	353	305	292
MIN	254	254	460	386	361	386	430	420	356	307	271	257
AC-FT	16710	23100	29940	25560	22140	25550	26680	27700	22820	19930	17580	16050

CAL YR 1983 TOTAL 137977 MEAN 378 MAX 498 MIN 254 AC-FT 273700
WTR YR 1984 TOTAL 138012 MEAN 377 MAX 498 MIN 254 AC-FT 273700

07069295 SOUTH FORK SPRING RIVER AT SADDLE, AR

LOCATION.--Lat 36°21'00", long 91°38'00", in NW 1/4 NW 1/4 sec.33, T.20 N., R.6 W., Fulton County, Hydrologic Unit 11010010, at bridge on State Highway 289, 0.2 mi southeast of Saddle.

PERIOD OF RECORD.--March 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983 19...	0530	9	9827	9827	53	7.9	14.0	16.0	4.5	7.1
NOV 08...	0845	9	9827	9827	127	7.9	7.0	12.0	20	9.0
DEC 13...	0900	9	9827	9827	520	7.7	4.0	7.0	20	11.2
JAN, 1984 17...	0845	9	9827	9827	107	8.0	-7.0	1.0	2.0	--
FEB 14...	0900	9	9827	9827	550	7.9	3.0	8.0	35	10.8
MAR 13...	0830	9	9827	9827	280	7.9	5.0	8.0	3.8	11.3
APR 10...	0830	9	9827	9827	1120	7.8	13.0	12.0	20	9.8
MAY 08...	0900	9	9827	9827	1980	7.5	10.0	14.0	80	8.6
JUN 05...	0900	9	9827	9827	45	8.0	30.0	20.0	3.6	7.1
JUL 17...	0940	9	9827	9827	39	7.9	25.0	23.0	4.0	6.5
AUG 14...	0830	9	9827	9827	20	7.9	23.0	24.0	3.5	7.4
SEP 11...	0845	9	9827	9827	51	7.8	21.0	24.0	--	5.6

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983 19...	0530	1.0	320	4.0	5.0	192	.26	8	.09
NOV 08...	0845	1.8	400	<1.0	5.0	182	.25	9	--
DEC 13...	0900	1.3	880	2.0	5.0	126	.17	19	.65
JAN, 1984 17...	0845	.9	<4	3.0	5.0	205	.28	6	.63
FEB 14...	0900	1.5	1200	6.0	6.0	155	.21	28	.52
MAR 13...	0830	.2	20	3.0	3.0	181	.25	[illegible]	--
APR 10...	0830	2.0	2100	2.0	2.5	126	.17	34	.36
MAY 08...	0900	3.9	12000	--	2.0	143	.19	114	.22
JUN 05...	0900	1.2	40	3.0	4.5	214	.29	6	.23
JUL 17...	0940	1.1	88	3.0	3.0	222	.30	4	.12
AUG 14...	0830	2.6	56	1.0	4.0	232	.32	8	.11
SEP 11...	0845	1.6	52	2.0	5.0	174	.24	7	.39

07069295 SOUTH FORK SPRING RIVER AT SADDLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
19...	0530	.030	.030	<.010	0	<1	28	12	20
NOV									
08...	0845	.070	.120	.040	0	2	40	20	10
DEC									
13...	0900	.020	.040	<.010	0	2	29	91	40
JAN, 1984									
17...	0845	.010	<.010	<.010	0	2	25	92	50
FEB									
14...	0900	.070	.060	.040	0	<1	680	62	590
MAR									
13...	0830	<.010	.070	--	0	<1	47	9	40
APR									
10...	0830	.040	.090	.020	0	1	28	14	--
MAY									
08...	0900	.100	.100	.040	0	2	--	17	--
JUN									
05...	0900	.030	.030	<.010	--	<1	<10	7	30
JUL									
17...	0940	<.010	.030	.030	0	<1	12	10	10
AUG									
14...	0830	<.010	.040	.020	0	<1	18	23	20
SEP									
11...	0845	<.010	.040	.010	0	1	59	20	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
14...	0830	.000	.000	.000	.000	.000	.00	<.01	.0

07069370 SPRING RIVER AT RAVENDEN, AR

LOCATION.--Lat 36°13'30", long 91°15'03", in SE 1/4 NW 1/4 sec.12, T.18 N., R.3 W., Lawrence County, Hydrologic Unit 11010010, at bridge on county road, 400 ft upstream from Starling Creek, and 0.5 mi south of Ravenden.

PERIOD OF RECORD.--March 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT, 1983										
18...	1250	9	9827	9827	474	8.2	16.0	17.0	4.2	9.2
NOV										
29...	0900	9	9827	9827	2810	--	.0	9.0	--	--
JAN, 1984										
10...	0950	9	9827	9827	1120	--	3.0	7.0	3.0	11.9
24...	1000	9	9827	9827	1180	8.2	4.0	1.0	20	13.0
FEB										
21...	1000	9	9827	9827	1400	8.2	5.0	10.0	3.2	11.2
MAR										
20...	1015	9	9827	9827	2350	8.1	--	--	25	--
APR										
24...	1100	9	9827	9827	1710	8.2	25.0	15.0	3.4	10.7
MAY										
22...	1035	9	9827	9827	1500	8.1	28.0	18.0	6.0	8.8
JUN										
19...	1015	9	9827	9827	816	8.1	31.0	25.0	6.0	7.0
JUL										
31...	1000	9	9827	9827	495	8.1	30.0	25.0	3.5	7.8
AUG										
21...	1030	9	9827	9827	453	8.1	28.0	25.0	5.0	8.0
SEP										
25...	1100	9	9827	9827	542	8.1	26.0	21.0	6.0	8.1

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
18...	1250	2.0	60	3.0	3.5	242	.33	10	.38
NOV									
29...	0900	--	660	--	--	--	--	--	--
JAN, 1984									
10...	0950	.7	12	2.0	5.0	231	.31	5	.79
24...	1000	1.4	14	<1.0	4.0	236	.32	49	.70
FEB									
21...	1000	1.1	12	--	5.0	231	.31	7	.50
MAR									
20...	1015	1.3	64	5.0	2.0	203	.28	14	.56
APR									
24...	1100	.6	10	7.0	3.5	233	.32	9	.49
MAY									
22...	1035	1.1	60	1.0	2.5	112	.15	24	.17
JUN									
19...	1015	1.0	44	2.0	4.5	244	.33	14	.58
JUL									
31...	1000	1.1	16	8.0	2.5	227	.31	23	.42
AUG									
21...	1030	1.9	36	--	2.5	238	.32	12	.42
SEP									
25...	1100	.9	20	1.0	2.5	236	.32	46	.33

07069370 SPRING RIVER AT RAVENDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
18...	1250	.010	.030	<.010	0	<1	<10	1	0
JAN, 1984									
10...	0950	.010	.010	<.010	0	1	18	6	0
24...	1000	.010	.050	<.010	0	--	13	10	20
FEB									
21...	1000	<.010	.020	.010	0	<1	.10	--	--
MAR									
20...	1015	.020	.050	.010	0	<1	<10	2	20
APR									
24...	1100	.020	.050	<.010	0	<1	15	7	40
MAY									
22...	1035	.070	.030	--	0	3	<10	5	20
JUN									
19...	1015	--	--	.010	--	<1	<10	12	20
JUL									
31...	1000	.010	.060	.020	0	1	<10	1	0
AUG									
21...	1030	<.010	.030	.010	0	<1	<10	<1	0
SEP									
25...	1100	.010	.070	<.010	0	3	<10	8	20

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
31...	1000	.000	.000	.000	.000	.000	.00	<.01	.0

BEST COPY AVAILABLE

07069500 SPRING RIVER AT IMBODEN, AR

LOCATION.--Lat 36°12'19", long 91°10'19", in SE 1/4 NE 1/4 sec.15, T.18 N., R.2 W., Randolph County, Hydrologic Unit 11010010, near left bank on downstream side of bridge on U.S. Highway 62 at Imboden, 1.8 mi upstream from Harding Creek, 3.9 mi downstream from Janes Creek, 8.2 mi upstream from Eleven Point River, and at mile 12.1.

DRAINAGE AREA.--1,183 mi².

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 1147: 1937-39, 1942-43, 1945. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 254.07 ft National Geodetic Vertical Datum of 1929. Prior to July 17, 1937, nonrecording gage at site 200 ft downstream at present datum. July 17, 1937, to Feb. 8, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--48 years, 1,357 ft³/s, 15.58 in/yr, 983,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 244,000 ft³/s Dec. 3, 1982, gage height, 38.12 ft from floodmarks, from rating curve extended above 78,000 ft³/s, on basis of contracted opening and flow-over-road measurement of peak flow; minimum daily, 215 ft³/s Aug. 1, 1936.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915 reached a stage of about 32.1 ft, from information by Corps of Engineers, discharge, about 125,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 9,000 ft³/s and maximim (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Nov. 24	1130	10,900	15.93
Dec. 4	0700	9,490	14.62
May 7	2115	*16,900	18.95

Minimum discharge, 366 ft³/s Oct. 1, gage height, 2.82 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	379	427	1840	1200	1050	1430	2260	1630	1190	678	498	413
2	380	433	2240	1160	1040	1410	2210	1540	1130	667	491	410
3	380	460	4610	1110	1040	1390	4010	1540	1090	657	500	432
4	388	1230	8860	1100	1010	1670	3880	1510	1060	654	512	433
5	516	1760	4980	1120	990	3080	3010	1470	1030	656	502	415
6	635	1300	3480	1130	962	2790	2610	1780	1010	639	530	408
7	526	982	2780	1120	957	2280	2340	8970	997	626	539	403
8	535	854	2410	1110	944	2010	3160	10800	983	618	503	400
9	498	772	2150	1100	939	1810	7250	4300	976	613	514	682
10	474	757	1990	1110	941	1700	5070	3170	938	599	509	606
11	461	710	2690	1090	930	1610	3750	2690	908	589	510	549
12	494	671	3920	1070	2160	1590	3280	2370	884	580	489	493
13	469	664	2870	1070	3540	1630	2950	2250	843	570	477	467
14	451	649	2610	1040	2660	1600	2640	4330	858	562	474	449
15	443	631	2450	1020	2120	1550	2420	2260	851	565	465	430
16	439	621	2190	1010	1930	1870	2270	1970	830	596	461	419
17	436	600	1990	1000	1780	2810	2140	1800	935	581	457	413
18	474	589	1860	996	1670	3340	2000	1690	853	576	446	414
19	453	623	1760	971	1570	2670	1900	1600	815	552	453	412
20	433	4790	1680	943	1470	2350	1840	1580	881	524	464	410
21	473	3640	1640	926	1400	2120	1880	1570	888	531	450	407
22	510	1810	1580	923	1340	1930	1820	1500	879	525	452	422
23	498	3700	1520	1050	1290	1800	1770	1420	860	518	448	327
24	493	9700	1500	1190	1250	1760	1700	1330	804	512	436	505
25	494	3250	1480	1200	1190	1770	1640	1280	764	507	429	542
26	472	2140	1450	1180	1160	1820	1590	1300	741	510	427	531
27	458	2260	1400	1170	1390	1730	1550	1430	727	529	426	511
28	449	3580	1360	1150	1510	3140	1500	1610	718	510	430	504
29	441	2810	1320	1130	1480	3530	1510	1430	731	498	426	488
30	435	2130	1280	1100	---	2840	1720	1340	691	494	422	477
31	432	---	1240	1060	---	2400	---	1240	---	494	409	---
TOTAL	14419	54543	75130	33549	41713	65430	77670	74700	26863	17730	14549	13972
MEAN	465	1818	2424	1082	1438	2111	2589	2410	895	572	469	466
MAX	635	9700	8860	1200	3540	3530	7250	10800	1190	678	539	682
MIN	379	427	1240	923	930	1390	1500	1240	691	494	409	400
CFSM	.39	1.54	2.05	.91	1.22	1.78	2.19	2.04	.76	.48	.40	.39
IN.	.45	1.72	2.36	1.05	1.31	2.06	2.44	2.35	.84	.56	.46	.44
AC-FT	28600	108200	149000	66540	82740	129800	154100	148200	53280	35170	28860	27710

CAL YR 1983 TOTAL 495143 MEAN 1357 MAX 11400 MIN 379 CFSM 1.15 IN. 15.57 AC-FT 982100
WTR YR 1984 TOTAL 510268 MEAN 1394 MAX 10800 MIN 379 CFSM 1.18 IN. 16.05 AC-FT 1012000

BEST COPY AVAILABLE

07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS, AR

LOCATION.--Lat 36°20'48", long 91°06'48", in SE 1/4 SE 1/4 sec.30, T.20 N., R.1 W., Randolph County, Hydrologic Unit 11010010, on right bank at upstream side of bridge on State Highway 90, 0.9 mi downstream from Hincha Creek, 1.9 mi upstream from Eassis Creek, 6.6 mi northeast of Ravenden Springs, and at mile 21.2.

DRAINAGE AREA.--1,134 mi^2.

PERIOD OF RECORD.--October 1929 to September 1933, October 1935 to current year. Prior to October 1949, published as "near Elevenpoint." Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 877: 1930-33, 1936-38. WSP 977: 1933, 1937-39, 1942. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 291.98 ft National Geodetic Vertical Datum of 1929. Prior to Nov. 21, 1938, nonrecording gage at present site at datum 0.04 ft higher. Nov. 21 to Dec. 11, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--53 years, 1,118 ft^3/s, 13.39 in/yr, 810,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft^3/s Dec. 3, 1982, gage height, 29.06 ft from floodmarks, from rating curve extended above 23,000 ft^3/s, on basis of contracted opening and flow-over-road measurement of peak flow; minimum observed, 226 ft^3/s Sept. 9, 1936, gage height, 2.13 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,480 ft^3/s Nov. 24, at 2115 hours, gage height, 11.28 ft, no other peak above base of 6,000 ft^3/s; minimum, 423 ft^3/s Oct. 15, Nov. 1, gage height, 2.81 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	470	468	1580	1080	867	989	1930	1750	1150	957	680	565
2	470	496	2050	1080	854	971	1890	1620	1160	875	654	560
3	470	534	2860	1070	853	986	2820	1610	1160	868	649	567
4	570	788	4800	1080	837	1140	2600	1580	1130	822	643	564
5	930	1140	3720	1070	819	1390	2380	1510	1100	827	656	557
6	575	890	2820	1080	817	1490	2190	1610	1060	805	645	553
7	520	780	2300	1060	810	1510	2050	3530	1080	788	654	549
8	520	709	2010	1030	810	1470	2590	3720	1100	774	646	546
9	520	684	1830	1010	809	1400	3790	2880	1050	772	654	625
10	520	679	1720	1050	798	1330	3470	2450	1070	760	651	656
11	470	643	2010	1020	790	1300	2950	2290	1040	744	642	610
12	520	616	2500	995	1260	1300	2680	2080	1010	748	631	583
13	501	619	2270	975	1510	1300	2450	1890	972	741	627	567
14	473	591	2100	953	1380	1270	2230	1830	976	760	621	559
15	469	590	1950	934	1360	1250	2070	1710	1070	781	616	548
16	472	578	1780	919	1300	1270	1950	1630	1100	774	611	540
17	458	626	1640	912	1250	1660	1880	1550	1050	726	609	537
18	470	604	1570	898	1200	1730	1780	1500	1120	723	602	537
19	479	669	1480	877	1160	2070	1710	1470	1100	708	613	534
20	471	2280	1430	872	1120	2280	1660	1440	1380	690	601	532
21	496	2090	1420	848	1090	2120	1660	1420	1210	720	593	531
22	494	1450	1360	842	1070	1960	1690	1370	1080	676	642	537
23	486	2560	1290	956	1060	1880	1710	1330	1010	693	623	592
24	478	5170	1240	935	1040	1770	1690	1280	1000	666	589	628
25	468	3180	1200	949	1030	1710	1650	1260	972	659	584	635
26	476	1960	1180	922	981	1700	1610	1250	943	663	580	655
27	460	1890	1170	921	1050	1690	1580	1520	963	666	578	731
28	494	2320	1160	917	1020	2460	1520	1530	1010	654	584	656
29	481	2160	1130	913	996	2400	1530	1310	898	650	578	617
30	460	1790	1090	886	---	2200	1620	1210	871	646	574	593
31	476	---	1090	872	---	2030	---	1190	---	642	570	---
TOTAL	15617	39554	57750	29926	29941	50026	63330	54320	31835	22978	19200	17464
MEAN	504	1318	1863	965	1032	1614	2111	1752	1061	741	619	582
MAX	930	5170	4800	1080	1510	2460	3790	3720	1380	957	680	731
MIN	458	468	1090	842	790	971	1520	1190	871	642	570	531
CFSM	.44	1.16	1.64	.85	.91	1.42	1.86	1.54	.94	.65	.55	.51
IN.	.51	1.30	1.89	.98	.98	1.64	2.08	1.78	1.04	.75	.63	.57
AC-FT	30980	78460	114500	59360	59390	99230	125600	107700	63140	45580	38080	34640

CAL YR 1983 TOTAL 431293 MEAN 1182 MAX 5210 MIN 458 CFSM 1.04 IN. 14.15 AC-FT 855500
WTR YR 1984 TOTAL 431941 MEAN 1180 MAX 5170 MIN 458 CFSM 1.04 IN. 14.17 AC-FT 856800

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, AR

LOCATION.--Lat 36°14'13", long 91°05'05", in NW 1/4 SE 1/4 sec.33. T.19 N., R.1 W., Randolph County, Hydrologic Unit 11010011, at bridge on U.S. Highway 62, 6.0 mi west of Pocahontas.

DRAINAGE AREA.--1,192 mi^2.

PERIOD OF RECORD.--March 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT, 1983										
18...	1400	9	9827	9827	494	8.1	18.0	16.0	3.2	10.0
NOV										
29...	0830	9	9827	9827	2270	--	1.0	9.0	--	--
JAN, 1984										
10...	0900	9	9827	9827	1100	--	.0	7.0	3.0	11.1
24...	0930	9	9827	9827	982	7.9	4.0	5.0	3.6	11.4
FEB										
21...	0930	9	9827	9827	1140	8.0	6.0	10.0	2.0	10.8
MAR										
20...	0930	9	9827	9827	2390	7.9	--	--	160	--
APR										
14...	1015	9	9827	9827	2340	8.0	21.0	14.0	4.0	11.8
MAY										
22...	0945	9	9827	9827	1440	7.9	22.0	18.0	5.0	9.2
JUN										
19...	0930	9	9827	9827	1160	8.0	32.0	22.0	5.8	8.8
JUL										
31...	0915	9	9827	9827	674	8.0	28.0	25.0	6.0	7.8
AUG										
21...	0945	9	9827	9827	623	8.0	28.0	25.0	6.0	9.0
SEP										
25...	1000	9	9827	9827	667	8.0	26.0	20.0	4.5	8.4

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
18...	1400	2.2	44	3.0	3.5	221	.30	6	.37
NOV									
29...	0830	--	190	--	--	--	--	--	--
JAN, 1984									
10...	0900	.8	4	2.0	5.0	182	.25	6	.76
24...	0930	1.7	140	1.0	4.5	192	.26	7	.71
FEB									
21...	0930	.6	12	--	4.5	204	.28	10	.60
MAR									
20...	0930	1.2	110	4.0	3.0	164	.22	40	.67
APR									
14...	1015	.7	30	7.0	3.0	171	.23	10	.59
MAY									
22...	0945	1.4	8	<1.0	2.0	165	.22	14	.45
JUN									
19...	0930	2.0	24	2.0	5.5	200	.27	14	.61
JUL									
31...	0915	.5	40	7.0	2.5	201	.27	21	.57
AUG									
21...	0945	1.8	20	--	2.5	209	.28	18	.57
SEP									
25...	1000	.9	20	1.0	2.0	204	.28	16	.44

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
18...	1400	.030	.020	<.010	0	<1	10	1	0
JAN, 1984									
10...	0900	.010	.010	<.010	0	2	<10	1	0
24...	0930	.030	.010	.010	0	--	<10	2	0
FEB									
21...	0930	<.010	.020	.010	0	<1	10	--	--
MAR									
20...	0930	.040	.040	<.010	0	1	<10	<1	40
APR									
14...	1015	.030	.040	.010	0	<1	10	<1	0
MAY									
22...	0945	.060	.030	<.010	0	2	<10	<1	0
JUN									
19...	0930	--	--	.010	--	<1	<10	4	30
JUL									
31...	0915	.010	.050	.010	0	<1	<10	1	20
AUG									
21...	0945	<.010	.020	.010	0	<1	<10	<1	10
SEP									
25...	1000	<.010	.040	.010	0	1	13	9	10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
31...	0915	.000	.000	.000	.000	.000	.00	<.01	.0

07072500 BLACK RIVER AT BLACK ROCK, AR

LOCATION.--Lat 36°05'15", long 91°05'50", in NW 1/4 sec.21, T.17 N., R.1 W., Lawrence County, Hydrologic Unit 11010009, on right bank 900 ft downsteam from St. Louis-San Francisco Railway bridge at Black Rock, 3.7 mi downstream from Spring River, and at mile 69.3.

DRAINAGE AREA.--7,369 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1929 to September 1931, October 1939 to current year. Gage-height records collected since 1904 in same vicinity are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1930-31. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.56 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 1, 1946, nonrecording gage at site 900 ft upstream at same datum. Aug. 1, 1946, to Aug. 17, 1978, nonrecording gage at site 650 ft upstream at same datum.

REMARKS.--Records good. Flow slightly regulated since June 3, 1948, by Clearwater Lake (Missouri), 189 mi upstream, capacity, 413,700 acre-ft.

AVERAGE DISCHARGE.--47 years, 8,418 ft^3/s, 6,099,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 190,000 ft^3/s Dec. 4, 1982, gage height, 31.51 ft, from floodmarks, from rating curve extended above 105,000 ft^3/s; minimum daily discharge, 1,730 ft3/s in September, October, and November 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 21, 1915, reached a stage of 31.9 ft, from records of National Weather Service, discharge, 160,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,600 ft^3/s May 8, gage height, 20.62 ft; minimum daily, 2,720 ft^3/s Sept. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2760	2950	17300	8270	6180	7730	17900	12600	9920	4150	3280	2790
2	2750	2960	17100	8190	6030	7420	17700	12000	9390	4110	3290	2770
3	2740	3000	18700	8130	5930	7110	19200	11400	8900	4080	3250	2780
4	2740	3480	22700	8140	5840	7120	20600	10700	8460	4020	3300	2800
5	2980	5440	24400	8240	5700	8900	20700	10100	8020	4010	3380	2770
6	3400	6290	23300	8410	5530	9980	20300	10000	7580	4080	3630	2760
7	3360	6920	22400	8570	5340	10400	19800	15800	7120	4130	3870	2740
8	3340	6920	21700	8700	5170	10800	19800	26200	6740	4190	3900	2720
9	3300	6320	21100	8780	5040	10600	22900	24200	6430	4210	3930	3180
10	3210	5730	20500	8970	4950	10000	24700	22200	6140	4150	3940	3400
11	3090	5290	20500	9060	4870	9350	24200	21100	5880	4060	3920	3360
12	3080	4930	21100	9000	6910	8820	23500	20100	5640	3940	3770	3250
13	3040	4650	21000	8880	11600	8590	22900	19300	5440	3840	3540	3220
14	2980	4450	20500	8630	12800	8340	22100	19700	5290	3780	3360	3240
15	2940	4350	20000	8310	12500	8120	21300	18700	5220	3710	3230	3290
16	2920	4270	19400	8010	12200	8340	20500	17400	5310	3810	3140	3230
17	2920	4150	18700	7650	11800	9560	19600	16200	5200	4010	3090	3120
18	2950	4040	18000	7350	11300	11900	18700	15000	5180	4060	3060	3010
19	2980	4020	17100	6920	10800	12100	17800	13800	5100	3970	3050	2920
20	2990	6960	16100	6450	10400	13000	16700	12800	5060	3860	3060	2870
21	3070	11400	15100	5840	9950	14200	15900	12100	5430	3780	3020	2850
22	3190	10900	14100	5580	9570	15200	15100	11500	5190	3690	2990	2840
23	3270	12400	12900	5520	9170	16200	14500	10900	5060	3570	3030	2960
24	3330	17700	11800	6180	8760	16900	14600	10500	4920	3460	2980	3120
25	3340	19500	10700	6510	8360	17100	15100	10200	4730	3370	2970	4080
26	3280	17500	9880	6640	8010	16900	15300	9920	4530	3450	2940	4900
27	3180	16800	9440	6720	8000	16500	15100	10700	4380	3830	2910	4880
28	3090	17800	9110	6690	8160	16900	14500	11600	4320	3490	2870	4690
29	3010	18400	8830	6620	8010	18700	13700	11700	4320	3340	2860	4440
30	2960	17800	8560	6510	---	18600	13100	11100	4220	3280	2830	4260
31	2950	---	8370	6360	---	18200	---	10500	---	3230	2800	---
TOTAL	95140	257320	520390	233830	238880	373580	557800	450020	179120	118660	101190	99240
MEAN	3069	8577	16790	7543	8237	12050	18590	14520	5971	3828	3264	3308
MAX	3400	19500	24400	9060	12800	18700	24700	26200	9920	4210	3940	4900
MIN	2740	2950	8370	5520	4870	7110	13100	9920	4220	3230	2800	2720
AC-FT	188700	510400	1032000	463800	473800	741000	1106000	892600	355300	235400	200700	196800

CAL YR 1983 TOTAL 3719380 MEAN 10190 MAX 47900 MIN 2740 AC-FT 7377000
WTR YR 1984 TOTAL 3225170 MEAN 8812 MAX 26200 MIN 2720 AC-FT 6397000

BEST COPY AVAILABLE

07072500 BLACK RIVER AT BLACK ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946, 1953, October 1967 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1946, October 1952 to September 1953.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT 20...	1030	9	80513	80010	2990	348	8.2	23.0	18.0	8.3	89
JAN 04...	1045	9	80513	80010	8490	350	7.8	7.0	4.0	11.4	87
FEB 22...	1130	9	80513	80010	10300	289	8.2	17.0	10.0	9.8	87
APR 17...	1320	9	80513	80010	19600	225	8.0	18.0	13.5	9.2	90
JUN 12...	1130	9	80513	80010	8850	322	8.1	28.0	25.0	7.5	91
AUG 01...	0930	9	80513	80010	3270	349	8.4	26.0	25.0	7.8	95

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT 20...	1030	755	1.8	41	180	190	0	0	38	22	2.1
JAN 04...	1045	758	1.8	30	740	130	5	5	27	15	2.3
FEB 22...	1130	758	3.1	23	100	130	24	24	26	15	1.9
APR 17...	1320	752	1.4	17	220	110	5	5	24	13	1.6
JUN 12...	1130	758	1.4	46	250	170	9	9	36	20	2.2
AUG 01...	0930	758	1.8	55	22	180	0	0	37	21	2.2

DATE	TIME	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT 20...	1030	2	.0	1.3	187	4.5	3.2	.10	.190	.210	.010
JAN 04...	1045	4	.0	1.5	124	8.5	3.4	<.10	--	--	<.010
FEB 22...	1130	3	.0	1.2	103	6.1	7.5	<.10	--	--	<.010
APR 17...	1320	3	.0	1.2	109	6.1	2.3	<.10	.190	--	.010
JUN 12...	1130	3	.0	1.1	163	12	5.1	<.10	--	.390	<.010
AUG 01...	0930	3	.0	1.1	179	4.4	5.4	<.10	--	--	<.010

07072500 BLACK RIVER AT BLACK ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT											
20...	1030	.020	.200	.230	.030	.080	.07	.22	.10	.00	.30
JAN											
04...	1045	<.010	.500	.540	.300	.120	.30	1.1	.60	.00	1.2
FEB											
22...	1130	<.010	.300	.240	.090	.590	.21	.21	.30	.00	.80
APR											
17...	1320	<.010	.200	.210	.120	.140	.38	1.6	.50	.00	1.7
JUN											
12...	1130	.020	.300	.410	.130	.080	.37	.02	.50	--	.10
AUG											
01...	0930	<.010	.200	.200	.030	.070	--	--	<.10	--	<.10

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
20...	1030	.30	.53	.030	.020	310	<1	20	<1	<1
JAN										
04...	1045	1.1	1.7	.060	.040	--	--	30	--	--
FEB										
22...	1130	.60	1.0	.030	<.010	--	--	<20	--	--
APR										
17...	1320	.70	1.9	.030	.030	--	--	<20	--	--
JUN										
12...	1130	.80	.51	.040	.020	--	--	<20	--	--
AUG										
01...	0930	--	--	<.010	<.010	--	--	20	--	--

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT										
20...	1030	2	9	300	4	50	<.1	2	<1	20

07073500 PINEY FORK AT EVENING SHADE, AR

LOCATION.--Lat 36°04'50", long 91°36'39", in SE 1/4 NE 1/4 sec.34, T.17 N., R.6 W., Sharp County, Hydrologic Unit 11010012, on right bank, 20 ft upstream from bridge on U.S. Highway 167, 0.8 mi north of Evening Shade, and at mile 5.8.

DRAINAGE AREA.--99.2 mi^2.

PERIOD OF RECORD.--February 1939 to September 1984 (discontinued as a continuous-record station, converted to a crest-stage partial-record station). Prior to October 1962, published as "Piney Fork Strawberry River at Evening Shade."

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 420.62 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 5, 1945, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years, 90.1 ft^3/s, 12.33 in/yr, 65,280 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50,400 ft^3/s Dec. 3, 1982, gage height, 30.32 ft, from floodmarks, from rating curve extended above 11,000 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,150 ft^3/s May 7, at 1730 hours, gage height, 12.16 ft, no other peak above base of 2,000 ft^3/s; minimum, 1.3 ft^3/s Nov. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.3	35	35	30	111	110	56	30	9.5	3.5	2.9
2	1.9	1.5	50	30	29	107	145	56	29	9.4	3.6	4.3
3	1.7	1.6	461	30	29	96	525	61	28	8.4	10	4.7
4	1.7	4.6	388	30	29	211	200	60	26	8.9	25	4.8
5	3.5	5.6	161	30	27	398	135	58	25	9.0	6.3	4.1
6	3.2	3.3	175	30	25	225	135	116	24	8.3	4.4	3.8
7	3.6	2.7	120	30	25	174	140	1860	23	7.6	4.1	3.6
8	3.5	2.5	103	30	25	143	540	782	22	7.2	3.8	3.4
9	3.1	2.3	88	40	24	119	930	324	22	6.9	4.2	261
10	3.5	2.0	77	40	24	107	510	226	20	6.1	4.7	41
11	3.7	2.3	138	38	24	98	259	174	19	5.4	4.5	18
12	5.6	2.6	124	32	598	98	236	140	19	5.9	4.9	13
13	5.0	2.7	101	31	400	112	209	117	17	5.0	4.5	11
14	4.9	2.7	108	30	211	96	166	101	16	4.7	4.3	9.0
15	4.3	3.0	101	30	156	87	145	87	17	5.9	4.5	7.6
16	3.9	2.8	82	28	144	128	129	80	21	16	3.5	6.4
17	4.3	2.7	73	28	121	440	115	72	18	11	3.3	6.0
18	6.9	2.6	67	28	106	130	104	66	16	12	3.2	5.6
19	5.8	5.2	61	23	95	105	95	60	16	7.4	3.1	5.2
20	6.7	16	59	24	81	100	108	61	17	6.3	3.1	4.7
21	6.3	8.2	55	28	74	95	148	60	19	5.4	3.0	4.4
22	9.7	4.3	54	24	69	90	116	57	17	5.0	2.8	7.3
23	7.5	137	48	31	64	85	98	52	16	5.2	5.1	13
24	6.7	81	51	39	60	170	88	46	14	4.5	3.8	8.0
25	5.3	41	42	39	55	95	80	42	13	3.8	5.6	5.9
26	3.5	32	37	38	54	85	74	40	12	3.5	3.3	5.2
27	3.1	54	37	36	130	140	70	45	12	3.6	3.1	4.6
28	3.2	77	37	36	139	530	65	43	12	3.6	2.9	4.4
29	5.3	51	33	34	114	215	61	37	11	3.5	2.7	4.2
30	3.5	41	40	32	---	155	61	33	9.8	3.2	4.7	4.3
31	3.2	---	35	30	---	125	---	32	---	3.7	3.2	---
TOTAL	136.1	597.5	3041	984	2962	4870	5797	5044	560.8	205.9	148.7	481.4
MEAN	4.39	19.9	98.1	31.7	102	157	193	163	18.7	6.64	4.80	16.0
MAX	9.7	137	461	40	598	530	930	1860	30	16	25	261
MIN	1.7	1.5	33	23	24	85	61	32	9.8	3.2	2.7	2.9
CFSM	.04	.20	.99	.32	1.03	1.58	1.95	1.64	.19	.07	.05	.16
IN.	.05	.22	1.14	.37	1.11	1.83	2.17	1.89	.21	.08	.06	.18
AC-FT	270	1190	6030	1950	5880	9660	11500	10000	1110	408	295	955

CAL YR 1983 TOTAL 22398.1 MEAN 61.4 MAX 2060 MIN 1.5 CFSM .62 IN. 8.40 AC-FT 44430
WTR YR 1984 TOTAL 24828.4 MEAN 67.8 MAX 1860 MIN 1.5 CFSM .68 IN. 9.31 AC-FT 49250

07074000 STRAWBERRY RIVER NEAR POUGHKEEPSIE, AR

LOCATION.--Lat 36°06'37", long 91°26'59", in SE 1/4 NW 1/4 sec.19, T.17 N., R.4 W., Sharp County, Hydrologic Unit 11010012, on left bank 250 ft upstream of bridge on State Highway 58, 0.5 mi downstream from Hurricane Creek, 2.5 mi northeast of Poughkeepsie, and at mile 35.9.

DRAINAGE AREA.--473 mi^2.

PERIOD OF RECORD.--February 1936 to September 1984.

REVISED RECORDS.--WSP 877: 1938. WSP 1211: 1938-39. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 298.07 ft National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark.) Prior to Dec. 10, 1938, nonrecording gage at present site and datum. Prior to Jan. 11, 1983, recording gage 250 ft downstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--48 years, 499 ft^3/s, 14.33 in/yr, 361,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 158,000 ft^3/s Dec. 3, 1982, gage height, 35.9 ft, from floodmark, site then in use, from rating curve extended above 27,000 ft^3/s on basis of slope-area measurement of peak flow; minimum observed, 31 ft^3/s Oct. 4, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,660 ft^3/s May 7, at 1515 hours, gage height, 15.69 ft, no other peak above base of 7,000 ft^3/s; minimum, 47 ft^3/s Oct. 3, 4, gage height, 1.33 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	59	520	160	178	560	1100	350	204	88	57	59
2	51	58	850	156	171	543	1300	335	193	86	58	58
3	49	61	1800	152	169	504	2600	352	187	86	63	62
4	48	86	2700	148	163	812	1700	339	180	86	107	67
5	61	87	1600	153	155	2090	1300	333	172	87	89	66
6	59	79	1200	161	146	1270	1200	709	168	83	69	62
7	58	74	910	164	141	937	1200	5170	165	80	67	62
8	56	73	630	162	137	782	2100	4910	161	79	75	65
9	55	71	459	158	133	664	2900	1610	154	77	72	634
10	55	73	402	183	132	570	2000	1140	147	75	75	508
11	54	72	651	189	129	523	1520	868	143	71	78	196
12	67	69	1010	188	1590	513	1310	706	138	68	70	133
13	66	69	655	179	1990	561	1200	587	134	68	68	108
14	61	68	579	170	1090	520	988	507	126	66	70	96
15	59	68	608	163	768	500	851	453	124	66	70	91
16	58	68	484	158	670	640	769	404	148	83	68	82
17	58	68	405	153	610	1800	694	368	159	87	66	76
18	62	67	380	151	529	1100	621	340	159	77	63	76
19	62	67	370	138	479	800	573	316	134	73	63	78
20	62	240	360	136	426	750	580	336	163	68	64	77
21	71	380	350	154	384	750	654	327	131	66	63	72
22	82	260	330	169	353	650	605	311	125	64	62	78
23	77	1100	320	179	327	600	535	290	120	63	64	106
24	70	1300	330	199	306	950	496	267	115	63	65	105
25	65	760	290	228	285	800	461	250	107	61	61	95
26	64	490	240	229	278	720	432	238	103	60	62	105
27	63	420	194	229	481	820	412	278	100	59	58	97
28	61	1500	187	221	705	2200	391	272	97	59	59	90
29	60	990	175	209	618	1600	373	241	94	59	61	82
30	60	650	170	195	---	1200	362	228	91	58	64	81
31	59	---	184	186	---	1200	---	215	---	56	62	---
TOTAL	1885	9427	19343	5420	13543	27929	31227	23050	4243	2222	2093	3567
MEAN	60.8	314	624	175	467	901	1041	744	141	71.7	67.5	119
MAX	82	1500	2700	229	1990	2200	2900	5170	204	88	107	634
MIN	48	58	170	136	129	500	362	215	91	56	57	58
CFSM	.13	.66	1.32	.37	.99	1.90	2.20	1.57	.30	.15	.14	.25
IN.	.15	.74	1.52	.43	1.07	2.20	2.46	1.81	.33	.17	.16	.28
AC-FT	3740	18700	38370	10750	26860	55400	61940	45720	8420	4410	4150	7080

	TOTAL		MEAN		MAX		MIN		CFSM		IN.		AC-FT	
CAL YR 1983	TOTAL	134535	MEAN	369	MAX	7560	MIN	48	CFSM	.78	IN.	10.58	AC-FT	266900
WTR YR 1984	TOTAL	143949	MEAN	393	MAX	5170	MIN	48	CFSM	.83	IN.	11.32	AC-FT	285500

BEST COPY AVAILABLE

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, AR

LOCATION.--Lat 36°01'40", long 91°19'31", in NW 1/4 SE 1/4 sec.17, T.16 N., R.3 W., Lawrence County, Hydrologic Unit 11010012, at bridge on State Highway 115, 2.0 mi upstream from Reeds Creek, and Cooper Creek, and 3.9 mi southwest of Smithville.

DRAINAGE AREA.--539 mi^2.

PERIOD OF RECORD.--March 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT, 1983										
18...	1330	9	9827	9827	71	8.1	17.0	18.0	4.6	9.4
NOV										
29...	0940	9	9827	9827	1130	--	3.0	7.0	--	--
JAN, 1984										
10...	1100	9	9827	9827	209	--	.0	5.0	7.0	12.0
24...	1100	9	9827	9827	227	8.0	5.0	1.0	6.0	13.3
FEB										
21...	1100	9	9827	9827	438	8.0	10.0	10.0	7.2	11.1
MAR										
20...	1100	9	9827	9827	855	8.0	--	--	25	--
APR										
24...	1130	9	9827	9827	565	8.2	25.0	15.0	4.2	10.4
MAY										
22...	1145	9	9827	9827	355	8.0	30.0	20.0	5.0	9.0
JUN										
19...	1050	9	9827	9827	153	8.0	32.0	25.0	6.4	7.5
JUL										
31...	1100	9	9827	9827	64	8.0	25.0	22.0	8.5	7.5
AUG										
21...	1115	9	9827	9827	72	8.0	32.0	26.0	6.0	8.3
SEP										
25...	1145	9	9827	9827	108	8.1	28.0	21.0	6.0	7.7

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
18...	1330	1.9	12	4.0	4.5	211	.29	12	.07
NOV									
29...	0940	--	530	--	--	--	--	--	--
JAN, 1984									
10...	1100	.6	80	4.0	5.5	218	.30	14	.51
24...	1100	1.3	68	5.0	4.5	213	.29	12	.48
FEB									
21...	1100	.9	72	--	4.5	201	.27	16	.54
MAR									
20...	1100	1.3	590	7.0	2.5	168	.23	32	.42
APR									
24...	1130	.7	40	9.0	3.0	208	.28	8	.29
MAY									
22...	1145	1.2	230	10	2.5	134	.18	28	--
JUN									
19...	1050	1.5	80	3.0	5.0	228	.31	12	.26
JUL									
31...	1100	1.0	12	9.0	2.5	204	.28	22	.12
AUG									
21...	1115	2.2	40	--	3.0	210	.29	17	.18
SEP									
25...	1145	.7	330	<1.0	2.0	194	.26	27	.16

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
18...	1330	.010	.030	<.010	0	<1	27	13	20
JAN, 1984									
10...	1100	.010	.010	<.010	0	<1	16	7	20
24...	1100	.010	.030	.010	0	--	12	5	0
FEB									
21...	1100	.010	.020	.010	0	<1	14	--	--
MAR									
20...	1100	.040	.070	.010	0	<1	<10	3	20
APR									
24...	1130	.020	.050	<.010	0	<1	22	8	30
MAY									
22...	1145	--	.030	--	0	1	<10	7	20
JUN									
19...	1050	--	--	<.010	--	<1	<10	9	10
JUL									
31...	1100	.010	.050	.040	0	<1	16	10	20
AUG									
21...	1115	<.010	.030	<.010	0	<1	<10	5	20
SEP									
25...	1145	.020	.050	<.010	0	1	14	10	30

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
31...	1100	.000	.000	.000	.000	.000	.00	<.01	.0

07074491 WHITE RIVER AT JACKSONPORT, AR

LOCATION.--Lat 35°38'22" long 91°18'55", in SW 1/4 SE 1/4 sec.28, T.12 N., R.3 W., Jackson County, Hydrologic Unit 1101000 at right bank, 0.4 mi downstream from confluence of Black River and 0.2 mi from city limits of Jacksonport, Ark.

DRAINAGE AREA.--19,842 m^2

PERIOD OF RECORD.--November 1983 to September 1984

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983										
29...	1510	9	9827	9827	22500	--	8.0	10.0	--	--
JAN, 1984										
10...	1515	9	9827	9827	14200	--	6.0	4.0	20	11.2
24...	1440	9	9827	9827	12200	7.8	1.0	2.0	7.6	13.1
FEB										
21...	1445	9	9827	9827	18800	7.7	18.0	11.0	35	10.2
MAR										
20...	1430	9	9827	9827	29200	7.9	--	--	40	--
APR										
24...	1500	9	9827	9827	45300	7.9	30.0	14.0	20	9.4
MAY										
22...	1500	9	9827	9827	35700	7.8	28.0	18.0	20	9.0
JUN										
19...	1500	9	9827	9827	11600	8.0	37.0	24.0	25	9.8
JUL										
31...	1545	9	9827	9827	6610	8.0	30.0	24.0	20	9.0
AUG										
21...	1500	9	9827	9827	8340	8.1	39.0	25.0	7.0	10.0
SEP										
25...	1530	9	9827	9827	7350	8.2	35.0	25.0	25	8.4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
29...	1510	--	130	--	--	--	--	--	--
JAN, 1984									
10...	1515	1.0	12	6.0	5.5	155	.21	30	.45
24...	1440	1.0	4	4.0	5.5	171	.23	14	.41
FEB									
21...	1445	1.2	8	--	5.5	154	.21	44	.34
MAR									
20...	1430	1.6	240	6.0	2.5	152	.21	48	.36
APR									
24...	1500	2.0	20	8.0	4.0	141	.19	30	.24
MAY									
22...	1500	1.1	56	4.0	4.0	142	.19	28	.26
JUN									
19...	1500	2.7	20	6.0	7.0	180	.24	59	.31
JUL									
31...	1545	1.6	12	11	5.5	179	.24	40	.34
AUG									
21...	1500	2.8	16	--	5.5	178	.24	18	.28
SEP									
25...	1530	1.0	190	1.0	5.0	177	.24	47	.26

07074491 WHITE RIVER AT JACKSONPORT, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JAN, 1984									
10...	1515	.010	.050	.010	0	2	<10	3	10
24...	1440	.010	.030	<.010	0	--	10	4	0
FEB									
21...	1445	.020	.090	.040	0	2	<10	--	--
MAR									
20...	1430	.040	.060	.030	0	<1	<10	6	20
APR									
24...	1500	.010	.080	.020	0	<1	17	7	30
MAY									
22...	1500	.070	.060	<.010	0	2	<10	<1	0
JUN									
19...	1500	<.010	--	.010	--	1	<10	6	10
JUL									
31...	1545	.050	.080	.010	1	<1	<10	14	40
AUG									
21...	1500	<.010	.040	.010	0	<1	10	6	20
SEP									
25...	1530	<.010	.080	.050	0	1	17	6	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
21...	1500	.000	.000	.000	.000	.000	.00	<.01	.0

07074500 WHITE RIVER AT NEWPORT, AR

LOCATION.--Lat 35°36'18", long 91°17'19", in NE 1/4 NE 1/4 sec.10, T.11 N., R.3 W., Jackson County, Hydrologic Unit 11010013, on left bank 100 ft downstream from bridge on U.S. Highway 67 at Newport, 7.2 mi downstream from Black River, and at mile 257.6.

DRAINAGE AREA.--19,860 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to September 1931 (published as "near Newport"), October 1937 to current year. Gage-height records collected at present site since 1885 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 194.09 ft National Geodetic Vertical Datum of 1929. September 1927 to September 1931, nonrecording gage at site 2.8 mi downstream at datum 2.30 ft lower. Oct. 1, 1937, to Aug. 14, 1953, nonrecording gage at present site and datum.

REMARKS.--Records good. Some regulation since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft, since 1948 by Clearwater Lake (Missouri), capacity 413,700 acre-ft, since July 24, 1951, by Bull Shoals Lake, 149 mi upstream, capacity 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 20, 1963, by Beaver Lake, capacity 1,951,500 acre-ft.

AVERAGE DISCHARGE.--51 years, 22,430 ft^3/s, 16,250,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 343,000 ft^3/s Apr. 17, 1945; maximum gage height observed, 35.9 ft Apr. 18, 1945; minimum discharge, 2,870 ft^3/s Sept. 27-30, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1927, that of Apr. 18, 1945. Flood of Apr. 16, 1927, reached a stage of 35.6 ft, from records of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 69,100 ft^3/s May 10, gage height, 24.69 ft; minimum, 4,420 ft^3/s Nov. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9270	4660	29500	26900	14700	30100	51300	43300	21400	10100	7600	13100
2	6620	4460	31400	21500	14000	31900	50600	41700	22700	8230	8600	10800
3	6740	4630	35200	18100	12700	30700	52500	42300	23100	7380	11200	9320
4	6740	5020	38900	16000	11800	28300	52700	43500	20700	8430	13200	8380
5	6710	5190	39700	15100	11400	29000	51000	38700	18600	9030	11300	6230
6	6720	6150	37800	15600	10800	33500	50300	35500	17300	7680	9230	6490
7	6520	7210	38600	14500	10400	38400	49200	40200	18200	7970	7550	8000
8	6010	7580	40600	15400	12200	38600	48000	53500	17100	8980	11300	7890
9	5340	8140	41800	15400	12900	36300	50400	65100	17300	10100	13500	9150
10	4910	7950	43400	14300	12200	35300	50500	67700	19800	9190	13100	11100
11	4810	7480	43200	14100	11600	33600	49300	62400	19600	13600	11700	9450
12	5020	8050	41500	14800	11200	33200	47900	58900	15400	14300	10200	13100
13	5550	8120	39300	17700	16200	32200	46700	55900	16000	11300	8150	14400
14	5170	6890	42800	18500	20700	31300	46700	52600	19100	9220	7210	14600
15	5500	6080	42700	16900	23900	27400	47700	49100	19300	10200	9350	14000
16	5170	5900	43200	15500	23900	28200	48800	45500	16700	13400	10200	11500
17	4770	6600	42900	14100	22700	27000	49000	41800	14600	12000	11700	8850
18	4730	6740	40300	14300	21600	28200	49400	39100	13000	9870	11900	6910
19	5110	7330	36800	14700	21100	28300	49800	38000	12000	8400	11900	6540
20	6360	10300	38400	13700	21300	29200	50400	37100	13200	8400	10600	6970
21	6440	12400	42400	14000	19100	33500	50700	36400	12600	11200	8820	7270
22	6890	13700	42300	14300	18400	37700	49200	35800	12500	12800	8910	8090
23	7570	18000	41500	13900	17300	39700	46500	33900	12700	12600	10900	8030
24	6650	22600	41700	12400	16100	40700	45400	29900	15100	11700	11700	8290
25	5570	23800	41900	12300	15400	41800	45800	26900	12900	12100	10200	7300
26	5220	23000	41700	12600	15500	41700	46400	23700	10200	12000	7360	11000
27	5180	21500	40900	12700	17400	42000	47300	23600	10700	12600	7140	12700
28	5370	21400	37600	12800	18900	43500	47900	20900	11400	12700	7780	10900
29	5290	22500	33100	13600	25500	46900	47400	20000	10600	11000	9410	9710
30	5070	27300	31500	13500	---	49800	44900	19700	10600	9340	14100	8730
31	4870	---	30600	13000	---	51300	---	20100	---	6920	15000	---
TOTAL	181890	340680	1213200	472200	480900	1099300	1463700	1242800	474400	322740	320810	288800
MEAN	5867	11360	39140	15230	16580	35460	48790	40090	15810	10410	10350	9627
MAX	9270	27300	43400	26900	25500	51300	52700	67700	23100	14300	15000	14600
MIN	4730	4460	29500	12300	10400	27000	44900	19700	10200	6920	7140	6230
AC-FT	360800	675700	2406000	936600	953900	2180000	2903000	2465000	941000	640200	636300	572800

CAL YR 1983 TOTAL 10008660 MEAN 27420 MAX 83700 MIN 4460 AC-FT 19852000
WTR YR 1984 TOTAL 7901420 MEAN 21590 MAX 67700 MIN 4460 AC-FT 15672000

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946 to 1961, January to August 1978, November 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1945 to September 1961, November 1978 to September 1981.
WATER TEMPERATURES: October 1945 to September 1961, November 1978 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT 04...	1000	9	80513	80010	6840	327	8.3	21.0	7.0	7.0	79
DEC 01...	1015	9	80513	80010	29700	259	8.0	9.0	32	10.4	89
FEB 22...	1130	9	80513	80010	18300	259	8.2	12.0	33	8.8	82
APR 10...	0930	9	80513	80010	50500	224	8.4	12.0	18	10.0	93
JUN 27...	1300	9	80513	80010	10700	314	8.3	25.0	17	7.9	96
AUG 09...	1030	9	80513	80010	14600	304	8.4	28.5	10	8.5	110

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 04...	1000	755	6	8	150	0	0	37	14	2.9	4
DEC 01...	1015	770	220	60	130	14	14	33	12	2.3	4
FEB 22...	1130	758	K40	K24	130	3	3	29	14	2.5	4
APR 10...	0930	757	K450	K800	110	4	4	27	10	4.4	8
JUN 27...	1300	763	K12	90	160	5	5	38	15	3.3	4
AUG 09...	1030	760	180	110	150	0	0	35	15	2.5	3

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT 04...	1000	.1	1.4	161	7.8	5.1	<.10	5.5	169	170	.23
DEC 01...	1015	.0	1.7	118	8.8	3.5	<.10	7.1	136	140	.19
FEB 22...	1130	.0	1.3	127	7.0	3.8	<.10	5.1	157	140	.21
APR 10...	0930	.2	1.3	105	8.3	6.5	<.10	4.8	136	130	.19
JUN 27...	1300	.1	1.5	152	7.0	5.1	.10	6.5	214	170	.29
AUG 09...	1030	.0	1.3	149	9.3	4.4	<.10	4.9	171	160	.23

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
OCT											
04...	1000	.200	.040	.30	.010	.010	<.010	--	--	--	--
DEC											
01...	1015	.440	.020	.70	.080	.030	.020	250	1	51	<.5
FEB											
22...	1130	.290	<.010	.50	.020	<.010	.020	20	1	48	<.5
APR											
10...	0930	.240	<.010	.50	.030	.020	.020	--	--	--	--
JUN											
27...	1300	.230	.120	--	--	<.010	.010	10	1	53	<.0
AUG											
09...	1030	.260	.050	.50	.050	.020	.010	<10	1	42	<.0

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
DEC										
01...	1015	<1	2	<3	3	63	4	<4	5	<.1
FEB										
22...	1130	<1	<1	<3	1	53	4	<4	7	<.1
JUN										
27...	1300	<1	<1	<3	3	22	1	<4	8	<.1
AUG										
09...	1030	<1	<1	<3	1	8	3	<4	2	.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
04...	1000	--	--	--	--	--	--	39	720	80
DEC										
01...	1015	<10	1	<1	<1	35	7	116	9300	70
FEB										
22...	1130	<10	<1	<1	<1	34	25	39	1930	99
APR										
10...	0930	--	--	--	--	--	--	40	5450	66
JUN										
27...	1300	<10	5	<1	2	44	10	66	1910	71
AUG										
09...	1030	<10	<1	<1	<1	39	5	56	2210	61

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, AR

LOCATION.--Lat 35°39'06", long 92°19'20", in NE 1/4 sec.25, T.12 N., R.13 W., Van Buren County, Hydrologic Unit 11010014, at bridge on State Highway 9, 0.2 mi south of Shirley, and at mile 124.4.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)
OCT, 1983 04...	0850	9	9827	9827	--	.40	7.3	22.0	22.0	4.5
NOV 08...	1500	9	9827	9827	--	60	7.1	15.0	14.0	6.0
DEC 13...	1545	9	9827	9827	--	1070	7.1	5.0	8.0	15
JAN, 1984 17...	1445	9	9827	9827	195	--	7.2	-3.0	1.0	5.0
FEB 14...	1530	9	9827	9827	1300	--	7.4	21.0	10.0	20
MAR 13...	1430	9	9827	9827	--	895	7.3	16.0	10.0	6.8
APR 10...	1500	9	9827	9827	--	1630	7.2	20.0	13.0	20
MAY 08...	1530	9	9827	9827	--	3730	7.0	21.0	16.0	50
JUN 05...	1700	9	9827	9827	--	32	7.7	30.0	23.0	4.0
JUL 17...	1730	9	9827	9827	--	37	7.2	43.0	28.0	20
AUG 14...	1130	9	9827	9827	--	15	7.2	29.0	16.0	4.4
SEP 11...	1500	9	9827	9827	--	41	7.1	29.0	26.0	--

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983 04...	0850	7.9	2.3	36	--	3.0	63	.09	7	.01
NOV 08...	1500	7.8	1.5	<4	1.0	4.0	73	.10	7	--
DEC 13...	1545	11.2	1.0	140	4.0	3.5	45	.06	7	.21
JAN, 1984 17...	1445	--	.8	4	7.0	5.0	49	.07	4	.06
FEB 14...	1530	11.6	.5	96	8.0	5.5	55	.07	16	.22
MAR 13...	1430	12.3	.2	16	5.0	2.5	46	.06	8	--
APR 10...	1500	10.8	.1	150	3.0	1.5	45	.06	10	.14
MAY 08...	1530	9.6	1.5	1200	--	1.5	69	.09	58	.15
JUN 05...	1700	9.0	1.9	16	7.0	4.0	60	.08	6	.02
JUL 17...	1730	8.8	2.2	96	6.0	2.0	47	.06	6	.10
AUG 14...	1130	7.9	2.6	110	3.0	3.5	52	.07	6	.05
SEP 11...	1500	8.5	2.3	48	4.0	5.0	55	.07	7	.03

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)
OCT, 1983 04...	0850	.050	.030	<.010	--	2	<1	29	19	--
NOV 08...	1500	.030	.070	.010	<5	4	<1	30	6	<5
DEC 13...	1545	.040	.030	<.010	--	2	<1	25	14	--
JAN, 1984 17...	1445	<.010	.020	<.010	--	1	18	10	23	--
FEB 14...	1530	.020	.050	.020	<5	3	<1	94	23	<5
MAR 13...	1430	<.010	.080	--	--	4	<1	23	20	--
APR 10...	1500	.030	.080	.020	<5	2	1	17	17	<5
MAY 08...	1530	.040	.110	.020	--	2	2	--	20	--
JUN 05...	1700	<.010	.030	<.010	--	--	<1	<10	2	--
JUL 17...	1730	<.010	.050	.030	--	0	<1	17	3	--
AUG 14...	1130	<.010	.060	.010	<5	0	2	17	13	<5
SEP 11...	1500	.350	.040	.010	--	3	1	40	16	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
OCT, 1983 04...	0850	40	--	--	--	--	--	--	--	--
NOV 08...	1500	0	--	--	--	--	--	--	--	--
DEC 13...	1545	40	--	--	--	--	--	--	--	--
JAN, 1984 17...	1445	20	--	--	--	--	--	--	--	--
FEB 14...	1530	80	--	--	--	--	--	--	--	--
MAR 13...	1430	10	--	--	--	--	--	--	--	--
JUN 05...	1700	140	--	--	--	--	--	--	--	--
JUL 17...	1730	10	--	--	--	--	--	--	--	--
AUG 14...	1130	30	.000	.000	.000	.000	.000	.00	<.01	1
SEP 11...	1500	--	.000	.000	.000	.000	.000	.00	<.01	1

07075000 MIDDLE FORK LITTLE RED RIVER AT SHIRLEY, AR

LOCATION.--Lat 35°39'10", long 92°19'10", in SW 1/4 sec.20, T.12 N., R.12 W., Van Buren County, Hydrologic Unit 11010014, on right bank 0.5 mi downstream from Sugar Camp (or Weavers) Creek, 1.0 mi east of Shirley, and at mile 122.0.

DRAINAGE AREA.--302 mi^2.

PERIOD OF RECORD.--February 1939 to September 1984. (Discontinued as a continuous-record station, converted to a crest-stage partial-record station.)

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 483.12 ft National Geodetic Vertical Datum of 1929. Prior to June 6, 1939, nonrecording gage at site 70 ft upstream at same datum.

REMARKS.--Records good except those for period of no gage-height record, Jan. 11 to Feb. 16, which are fair.

AVERAGE DISCHARGE.--45 years, 465 ft^3/s, 20.91 in/yr, 336,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 241,000 ft^3/s Dec. 3, 1982, gage height, 37.53 ft, from floodmarks, from rating curve extended above 60,000 ft^3/s on the basis of slope area and flow-over-road measurement of peak flow; no flow at times.

NOTE.--Maximum gage heights published prior to 1949 water year were referred to nonrecording gage.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 23	1315	7,660	14.42	May 6	2330	8,090	14.66
Nov. 27	1930	7,930	14.57	May 7	2015	*15,000	17.99
Mar. 5	0245	6,520	13.76				

No flow Oct. 5-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	40	432	77	220	735	606	195	57	15	7.8	15
2	1.9	41	372	73	210	838	567	198	49	13	10	15
3	1.1	42	2300	73	190	882	1060	968	43	14	17	18
4	.37	47	2630	77	170	1850	1100	1230	37	17	18	20
5	.00	52	1240	92	150	4440	877	844	33	19	19	19
6	.00	56	914	133	140	1770	701	2720	31	19	28	18
7	.00	59	717	148	150	1150	591	8580	29	18	26	17
8	.00	60	525	140	140	854	1860	4710	28	16	23	16
9	.00	61	412	128	130	661	3460	1860	27	16	25	49
10	.00	64	367	140	120	554	1720	1190	26	15	27	47
11	.00	72	1370	135	110	473	1180	853	24	14	23	41
12	.00	74	1280	130	2300	542	949	638	22	13	20	35
13	.00	75	1080	145	1800	863	783	507	21	27	17	30
14	.00	73	779	155	1300	696	633	408	19	44	15	27
15	.00	70	705	165	925	688	545	303	18	26	14	215
16	.00	67	557	180	640	1160	480	243	18	166	13	126
17	.04	68	374	195	508	1830	411	201	16	43	13	62
18	1.4	70	312	200	492	1650	344	166	17	29	12	43
19	2.6	94	271	185	464	1150	298	140	22	22	13	36
20	3.6	387	234	175	396	893	269	130	28	19	12	32
21	12	240	231	165	334	706	617	122	28	16	15	28
22	18	122	208	150	298	583	937	121	41	16	18	33
23	18	3550	180	170	269	493	617	112	38	15	19	125
24	20	1670	163	260	242	720	498	95	41	14	17	115
25	21	584	145	340	216	928	414	80	35	16	16	78
26	23	357	126	290	207	715	343	70	30	14	15	55
27	24	2940	117	240	1170	633	304	66	27	12	15	44
28	27	3140	103	215	1120	790	276	74	25	11	16	38
29	36	1590	101	195	824	1130	240	85	21	9.8	16	33
30	40	595	94	200	---	860	216	92	17	8.6	16	31
31	40	---	83	230	---	681	---	69	---	7.9	16	---
TOTAL	292.61	16360	18422	5201	15235	31918	22896	27070	868	705.3	531.8	1461
MEAN	9.44	345	594	168	525	1030	763	873	28.9	22.8	17.2	48.7
MAX	40	3550	2630	340	2300	4440	3460	8580	57	166	28	215
MIN	.00	40	83	73	110	473	216	66	16	7.9	7.8	15
CFSM	.03	1.80	1.97	.56	1.74	3.41	2.53	2.89	.10	.08	.06	.16
IN.	.04	2.02	2.27	.64	1.88	3.93	2.82	3.33	.11	.09	.07	.18
AC-FT	580	32450	36540	10320	30220	63310	45410	53690	1720	1400	1050	2900

CAL YR 1983	TOTAL	166750.53	MEAN	457	MAX	9550	MIN	.00	CFSM	1.51	IN.	20.54	AC-FT	330700
WTR YR 1984	TOTAL	140960.71	MEAN	385	MAX	8580	MIN	.00	CFSM	1.27	IN.	17.36	AC-FT	279600

07075300 SOUTH FORK LITTLE RED RIVER AT CLINTON, AR

LOCATION.--Lat 35°35'29", long 92°27'20", in SW 1/4 sec.14, T.11 N., R.14 W., Van Buren County, Hydrologic Unit 11010014, near right bank on upstream side of bridge on U.S. Highway 65 at Clinton, 0.2 mi upstream from Archey Creek, and at mile 23.7.

DRAINAGE AREA.--148 mi^2.

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WRD Ark. 1968: 1962, 1964. WRD Ark. 1973: Drainage area. WRD Ark. 1974: 1964 (M).

GAGE.--Water-stage recorder. Datum of gage is 481.11 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1966, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--23 years, 239 ft^3/s, 21.38 in/yr, 173,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,900 ft^3/s Dec. 3, 1982, gage height, 34.27 ft, from floodmarks, from rating curve extended above 24,000 ft^3/s on the basis of slope area and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
May 3	0515	*6,590	15.59
May 7	1815	6,190	15.30

no flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.0	300	60	150	460	253	164	76	4.6	.04	.00
2	.50	2.0	280	55	145	500	265	456	67	4.1	.87	.00
3	.40	2.0	700	55	135	450	594	4240	60	4.1	3.6	.08
4	.27	2.7	1100	60	120	1000	511	1740	52	6.2	4.7	.07
5	.20	3.0	700	65	110	2500	427	998	46	3.8	2.7	.00
6	.20	1.6	451	70	115	1300	362	1550	42	3.9	2.6	.00
7	.20	2.6	400	75	124	650	319	3460	40	3.8	2.5	.00
8	.20	2.7	320	70	115	460	1500	2030	37	3.6	2.7	.00
9	.20	2.8	250	64	105	400	2040	1040	32	3.3	3.3	4.0
10	.12	2.4	200	74	95	350	1060	727	29	3.0	1.9	1.5
11	.11	2.5	700	70	85	340	754	538	25	3.0	2.8	1.5
12	.58	2.5	580	70	1100	640	646	425	22	2.5	2.8	2.7
13	.60	3.0	450	75	800	540	540	350	20	15	1.9	3.2
14	.60	2.8	380	80	680	480	447	298	17	30	1.3	4.4
15	.60	3.0	320	85	560	750	390	255	16	10	.90	6.4
16	.60	3.0	270	90	451	1000	348	224	14	3.6	.67	8.2
17	.64	2.6	230	93	370	1600	313	201	13	1.5	.49	8.0
18	.70	2.6	200	95	338	1100	281	178	12	1.5	.30	7.5
19	.70	7.6	170	90	305	835	256	160	12	.70	.30	7.1
20	.70	119	150	90	280	650	237	156	11	.70	.22	7.4
21	3.1	102	140	85	250	510	287	181	12	.50	.05	8.0
22	3.6	90	130	80	230	430	335	168	18	.40	.00	20
23	3.6	2000	120	80	220	360	293	146	17	.40	.00	19
24	3.2	1200	110	120	212	450	267	128	14	.34	.00	16
25	2.8	350	100	200	186	350	245	114	12	.30	.00	15
26	2.5	210	90	168	386	330	225	105	10	.22	.00	16
27	2.3	1200	85	155	1000	313	214	105	9.2	.20	.00	16
28	2.1	1700	80	145	652	352	199	110	8.5	.17	.00	18
29	2.0	424	75	135	524	324	185	110	7.1	.10	.00	18
30	2.0	350	70	130	---	285	177	97	5.7	.05	.04	19
31	2.0	---	65	154	---	263	---	85	---	.00	.00	---
TOTAL	38.82	7798.4	9216	2938	9843	19972	13970	20539	756.5	111.58	36.68	227.05
MEAN	1.25	260	297	94.8	339	644	466	663	25.2	3.60	1.18	7.57
MAX	3.6	2000	1100	200	1100	2500	2040	4240	76	30	4.7	20
MIN	.11	1.6	65	55	85	263	177	85	5.7	.00	.00	.00
CFSM	.01	1.76	2.01	.64	2.29	4.35	3.15	4.48	.17	.02	.01	.05
IN.	.01	1.96	2.32	.74	2.47	5.02	3.51	5.16	.19	.03	.01	.06
AC-FT	77	15470	18280	5830	19520	39610	27710	40740	1500	221	73	450

CAL YR 1963 TOTAL 87593.52 MEAN 240 MAX 5200 MIN .11 CFSM 1.62 IN. 22.02 AC-FT 173700
WTR YR 1984 TOTAL 85447.03 MEAN 233 MAX 4240 MIN .00 CFSM 1.57 IN. 21.48 AC-FT 169500

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR

LOCATION.--Lat 35°31'15", long 91°59'42", in SE 1/4 sec.6, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on State Highway 25 at Greers Ferry Dam on Little Red River, 2.5 mi northwest of Heber Springs, 5.5 mi upstream from Canoe Creek, and at mile 79.0.

DRAINAGE AREA.--1,153 mi^2.

PERIOD OF RECORD.--October 1970 to September 1972, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
OCT								
18...	1000	9	80513	80513	.00	140	37	6.4
18...	1002	9	80513	80513	10.0	140	37	6.4
18...	1004	9	80513	80513	20.0	140	37	6.4
18...	1006	9	80513	80513	30.0	140	37	6.4
18...	1008	9	80513	80513	37.0	140	36	6.2
18...	1010	9	80513	80513	40.0	140	36	6.1
18...	1012	9	80513	80513	41.0	140	36	6.1
18...	1014	9	80513	80513	44.0	140	36	6.1
18...	1016	9	80513	80513	50.0	140	36	6.1
18...	1018	9	80513	80513	56.0	140	36	6.1
18...	1020	9	80513	80513	60.0	140	36	6.1
18...	1022	9	80513	80513	70.0	140	36	6.2
18...	1024	9	80513	80513	80.0	140	36	6.2
18...	1026	9	80513	80513	90.0	140	37	6.2
18...	1028	9	80513	80513	100	140	37	6.2
18...	1030	9	80513	80513	110	140	38	6.2
18...	1032	9	80513	80513	120	140	39	6.2
18...	1034	9	80513	80513	130	140	41	6.1
18...	1035	9	80513	80513	140	140	46	6.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
18...	1000	20.0	168	4.3	7.5	83	755
18...	1002	20.0	--	--	7.5	--	--
18...	1004	20.0	--	--	7.6	--	--
18...	1006	20.0	--	--	7.6	--	--
18...	1008	19.0	--	--	2.1	--	--
18...	1010	18.0	--	--	1.1	--	--
18...	1012	17.0	--	--	1.7	--	--
18...	1014	16.0	--	--	2.9	--	--
18...	1016	15.5	--	--	4.4	--	--
18...	1018	14.5	--	--	5.0	--	--
18...	1020	14.0	--	--	5.4	--	--
18...	1022	13.5	--	--	6.2	--	--
18...	1024	12.5	--	--	6.5	--	--
18...	1026	11.5	--	--	6.2	--	--
18...	1028	11.0	--	--	5.4	--	--
18...	1030	10.5	--	--	4.0	--	--
18...	1032	10.0	--	--	2.4	--	--
18...	1034	10.0	--	--	1.6	--	--
18...	1035	10.0	--	--	1.1	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV								
15...	1430	9	80513	80513	.00	139	40	8.3
15...	1432	9	80513	80513	10.0	139	40	8.3
15...	1434	9	80513	80513	20.0	139	40	8.3
15...	1436	9	80513	80513	30.0	139	40	8.2
15...	1438	9	80513	80513	40.0	139	40	8.2
15...	1440	9	80513	80513	50.0	139	40	8.2
15...	1442	9	80513	80513	60.0	139	40	8.2
15...	1444	9	80513	80513	70.0	139	40	8.0
15...	1446	9	80513	80513	73.0	139	40	7.9
15...	1448	9	80513	80513	78.0	139	40	7.9
15...	1450	9	80513	80513	80.0	139	40	7.9
15...	1452	9	80513	80513	90.0	139	40	7.8
15...	1454	9	80513	80513	100	139	40	7.8
15...	1456	9	80513	80513	110	139	42	7.7
15...	1458	9	80513	80513	120	139	42	7.7
15...	1459	9	80513	80513	130	139	44	7.6
15...	1500	9	80513	80513	139	139	46	7.6

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
15...	1430	15.5	192	4.9	7.6	77	756
15...	1432	15.5	--	--	7.5	--	--
15...	1434	15.5	--	--	7.5	--	--
15...	1436	15.5	--	--	7.5	--	--
15...	1438	15.5	--	--	7.5	--	--
15...	1440	15.5	--	--	7.5	--	--
15...	1442	15.5	--	--	6.5	--	--
15...	1444	14.5	--	--	4.7	--	--
15...	1446	13.5	--	--	5.0	--	--
15...	1448	12.5	--	--	5.1	--	--
15...	1450	12.5	--	--	5.2	--	--
15...	1452	11.5	--	--	5.2	--	--
15...	1454	11.0	--	--	4.6	--	--
15...	1456	10.5	--	--	2.8	--	--
15...	1458	10.0	--	--	1.5	--	--
15...	1459	10.0	--	--	.9	--	--
15...	1500	9.5	--	--	.6	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
14...	1000	9	80513	80513	.00	144	40	7.3	5.5	11.0	88.8
14...	1001	9	80513	80010	3.00	144	--	--	--	--	--
14...	1002	9	80513	80513	10.0	144	40	7.3	--	11.0	--
14...	1004	9	80513	80513	20.0	144	40	7.3	--	11.0	--
14...	1005	9	80513	80010	25.0	144	40	6.8	--	11.0	--
14...	1006	9	80513	80513	30.0	144	40	7.3	--	11.0	--
14...	1008	9	80513	80513	40.0	144	40	7.3	--	11.0	--
14...	1010	9	80513	80513	50.0	144	40	7.3	--	11.0	--
14...	1012	9	80513	80513	60.0	144	40	7.3	--	11.0	--
14...	1014	9	80513	80513	70.0	144	40	7.3	--	11.0	--
14...	1016	9	80513	80513	80.0	144	39	7.3	--	11.0	--
14...	1018	9	80513	80513	90.0	144	39	7.3	--	11.0	--
14...	1020	9	80513	80010	100	144	39	7.3	--	11.0	--
14...	1022	9	80513	80513	110	144	39	7.3	--	11.0	--
14...	1024	9	80513	80513	120	144	41	7.2	--	10.5	--
14...	1026	9	80513	80513	130	144	44	7.1	--	10.0	--
14...	1028	9	80513	80513	140	144	49	7.0	--	10.0	--
14...	1030	9	80513	80513	144	144	52	7.0	--	9.5	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
14...	1000	2.30	8.9	83	743	--	--	--	4	--	--
14...	1001	--	--	--	743	--	--	--	--	--	--
14...	1002	--	8.8	--	--	--	--	--	--	--	--
14...	1004	--	8.8	--	--	--	--	--	--	--	--
14...	1005	--	8.8	82	743	5	4.0	1.5	--	14	2
14...	1006	--	8.8	--	--	--	--	--	--	--	--
14...	1008	--	8.7	--	--	--	--	--	--	--	--
14...	1010	--	8.7	--	--	--	--	--	--	--	--
14...	1012	--	8.7	--	--	--	--	--	--	--	--
14...	1014	--	8.7	--	--	--	--	--	--	--	--
14...	1016	--	8.7	--	--	--	--	--	--	--	--
14...	1018	--	8.6	--	--	--	--	--	--	--	--
14...	1020	--	8.4	78	743	5	4.2	1.3	--	14	0
14...	1022	--	8.3	--	--	--	--	--	--	--	--
14...	1024	--	3.6	--	--	--	--	--	--	--	--
14...	1026	--	1.2	--	--	--	--	--	--	--	--
14...	1028	--	.1	--	--	--	--	--	--	--	--
14...	1030	--	.0	--	--	--	--	--	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
14...	1005	2	4.1	10	.90	12	4.0	3.6	.100	.060
14...	1020	0	4.1	10	.90	13	4.0	4.1	.100	.060

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
14...	1001	--	--	--	--	--	--	--	.300	<.100
14...	1005	.04	.10	.20	.020	<.010	220	30	--	--
14...	1020	.04	.10	.20	.010	<.010	240	30	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
JAN								
19...	1200	9	80513	80513	.00	160	44	8.3
19...	1202	9	80513	80513	10.0	160	44	8.3
19...	1204	9	80513	80513	20.0	160	44	8.3
19...	1206	9	80513	80513	30.0	160	44	8.3
19...	1208	9	80513	80513	40.0	160	44	8.3
19...	1210	9	80513	80513	50.0	160	44	8.3
19...	1212	9	80513	80513	60.0	160	44	8.3
19...	1214	9	80513	80513	70.0	160	44	8.3
19...	1216	9	80513	80513	80.0	160	44	8.3
19...	1218	9	80513	80513	90.0	160	44	8.3
19...	1220	9	80513	80513	100	160	44	8.2
19...	1222	9	80513	80513	110	160	44	8.2
19...	1224	9	80513	80513	120	160	44	8.2
19...	1226	9	80513	80513	130	160	44	8.3
19...	1228	9	80513	80513	140	160	45	8.3
19...	1229	9	80513	80513	150	160	45	8.3
19...	1230	9	80513	80513	160	160	46	8.3

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
19...	1200	5.5	92.4	2.40	10.4	82	765
19...	1202	5.5	--	--	10.3	--	--
19...	1204	5.5	--	--	10.2	--	--
19...	1206	5.5	--	--	10.2	--	--
19...	1208	5.5	--	--	10.2	--	--
19...	1210	5.5	--	--	10.2	--	--
19...	1212	5.5	--	--	10.2	--	--
19...	1214	5.5	--	--	10.2	--	--
19...	1216	5.5	--	--	10.2	--	--
19...	1218	5.5	--	--	10.1	--	--
19...	1220	5.5	--	--	10.1	--	--
19...	1222	5.5	--	--	10.1	--	--
19...	1224	5.5	--	--	10.1	--	--
19...	1226	5.5	--	--	10.0	--	--
19...	1228	5.5	--	--	10.0	--	--
19...	1229	5.0	--	--	9.9	--	--
19...	1230	5.0	--	--	9.9	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
FEB								
28...	1020	9	80513	80513	.00	147	40	7.4
28...	1022	9	80513	80513	10.0	147	40	7.3
28...	1024	9	80513	80513	20.0	147	40	7.3
28...	1026	9	80513	80513	30.0	147	40	7.3
28...	1028	9	80513	80513	40.0	147	40	7.3
28...	1030	9	80513	80513	50.0	147	40	7.3
28...	1032	9	80513	80513	60.0	147	40	7.3
28...	1034	9	80513	80513	70.0	147	40	7.3
28...	1036	9	80513	80513	80.0	147	40	7.3
28...	1038	9	80513	80513	90.0	147	40	7.3
28...	1040	9	80513	80513	100	147	40	7.2
28...	1042	9	80513	80513	110	147	40	7.2
28...	1044	9	80513	80513	120	147	40	7.2
28...	1046	9	80513	80513	130	147	40	7.2
28...	1048	9	80513	80513	140	147	40	7.2
28...	1050	9	80513	80513	147	147	40	7.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
28...	1020	5.5	119	3.00	11.6	93	753
28...	1022	5.5	--	--	11.6	--	--
28...	1024	5.5	--	--	11.6	--	--
28...	1026	5.5	--	--	11.6	--	--
28...	1028	5.5	--	--	11.6	--	--
28...	1030	5.5	--	--	11.6	--	--
28...	1032	5.5	--	--	11.5	--	--
28...	1034	5.5	--	--	11.5	--	--
28...	1036	5.5	--	--	11.5	--	--
28...	1038	5.5	--	--	11.5	--	--
28...	1040	5.5	--	--	11.5	--	--
28...	1042	5.5	--	--	11.4	--	--
28...	1044	5.5	--	--	11.4	--	--
28...	1046	5.5	--	--	11.4	--	--
28...	1048	5.5	--	--	11.4	--	--
28...	1050	5.5	--	--	11.3	--	--

BEST COPY AVAILABLE

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR								
29...	0920	9	80513	80513	.00	153	41	7.3
29...	0922	9	80513	80513	10.0	153	41	7.3
29...	0924	9	80513	80513	20.0	153	41	7.3
29...	0926	9	80513	80513	30.0	153	41	7.3
29...	0928	9	80513	80513	40.0	153	41	7.3
29...	0930	9	80513	80513	50.0	153	41	7.4
29...	0932	9	80513	80513	60.0	153	41	7.4
29...	0934	9	80513	80513	70.0	153	41	7.4
29...	0936	9	80513	80513	80.0	153	41	7.4
29...	0938	9	80513	80513	90.0	153	41	7.4
29...	0940	9	80513	80513	100	153	41	7.4
29...	0942	9	80513	80513	110	153	41	7.4
29...	0944	9	80513	80513	120	153	41	7.4
29...	0946	9	80513	80513	130	153	41	7.3
29...	0948	9	80513	80513	140	153	41	7.3
29...	0949	9	80513	80513	150	153	41	7.3
29...	0950	9	80513	80513	153	153	41	7.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
29...	0920	9.0	88.8	2.30	11.2	99	749
29...	0922	9.0	--	--	11.2	--	--
29...	0924	9.0	--	--	11.2	--	--
29...	0926	9.0	--	--	11.2	--	--
29...	0928	8.5	--	--	11.2	--	--
29...	0930	8.5	--	--	11.1	--	--
29...	0932	8.5	--	--	11.1	--	--
29...	0934	8.5	--	--	11.0	--	--
29...	0936	8.5	--	--	11.0	--	--
29...	0938	8.5	--	--	11.0	--	--
29...	0940	8.5	--	--	11.0	--	--
29...	0942	8.5	--	--	10.9	--	--
29...	0944	7.5	--	--	10.8	--	--
29...	0946	7.0	--	--	10.7	--	--
29...	0948	6.0	--	--	10.5	--	--
29...	0949	6.0	--	--	10.3	--	--
29...	0950	6.0	--	--	10.3	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
APR								
17...	1020	9	80513	80513	.00	153	45	7.8
17...	1022	9	80513	80513	10.0	153	44	7.8
17...	1024	9	80513	80513	20.0	153	44	7.7
17...	1026	9	80513	80513	30.0	153	44	7.7
17...	1028	9	80513	80513	40.0	153	44	7.7
17...	1030	9	80513	80513	50.0	153	44	7.7
17...	1032	9	80513	80513	52.0	153	44	7.7
17...	1034	9	80513	80513	56.0	153	44	7.7
17...	1036	9	80513	80513	60.0	153	44	7.7
17...	1038	9	80513	80513	70.0	153	44	7.7
17...	1040	9	80513	80513	80.0	153	44	7.7
17...	1042	9	80513	80513	90.0	153	45	7.7
17...	1044	9	80513	80513	100	153	45	7.7
17...	1046	9	80513	80513	110	153	45	7.6
17...	1048	9	80513	80513	120	153	44	7.6
17...	1050	9	80513	80513	130	153	44	7.6
17...	1052	9	80513	80513	140	153	44	7.6
17...	1054	9	80513	80513	150	153	44	7.6
17...	1055	9	80513	80513	153	153	44	7.6

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
17...	1020	12.5	94.8	2.40	10.6	101	748
17...	1022	12.0	--	--	10.6	--	--
17...	1024	11.5	--	--	10.6	--	--
17...	1026	11.5	--	--	10.7	--	--
17...	1028	11.5	--	--	10.8	--	--
17...	1030	11.5	--	--	10.8	--	--
17...	1032	10.5	--	--	11.1	--	--
17...	1034	9.5	--	--	11.1	--	--
17...	1036	9.0	--	--	11.1	--	--
17...	1038	9.0	--	--	11.1	--	--
17...	1040	9.0	--	--	11.1	--	--
17...	1042	8.5	--	--	11.2	--	--
17...	1044	8.5	--	--	11.2	--	--
17...	1046	8.0	--	--	11.2	--	--
17...	1048	7.5	--	--	11.2	--	--
17...	1050	7.0	--	--	11.1	--	--
17...	1052	6.5	--	--	11.0	--	--
17...	1054	6.0	--	--	10.8	--	--
17...	1055	6.0	--	--	10.8	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
15...	0900	9	80513	80513	.00	157	31	7.7	16.0	20.5	134
15...	0901	9	80513	80010	3.00	157	--	--	--	--	--
15...	0902	9	80513	80513	4.00	157	31	7.7	--	19.5	--
15...	0904	9	80513	80513	6.00	157	30	7.8	--	18.5	--
15...	0906	9	80513	80513	10.0	157	30	7.8	--	17.5	--
15...	0908	9	80513	80513	20.0	157	30	7.7	--	16.5	--
15...	0910	9	80513	80010	25.0	157	30	7.6	--	16.0	--
15...	0912	9	80513	80513	30.0	157	30	7.6	--	15.5	--
15...	0914	9	80513	80513	40.0	157	31	7.6	--	14.5	--
15...	0916	9	80513	80513	50.0	157	31	7.6	--	13.5	--
15...	0918	9	80513	80513	60.0	157	31	7.6	--	12.5	--
15...	0920	9	80513	80513	70.0	157	31	7.6	--	11.5	--
15...	0922	9	80513	80513	80.0	157	31	7.6	--	10.5	--
15...	0924	9	80513	80513	90.0	157	31	7.5	--	9.5	--
15...	0925	9	80513	80010	100	157	31	7.5	--	8.5	--
15...	0928	9	80513	80513	110	157	32	7.5	--	8.0	--
15...	0930	9	80513	80513	120	157	32	7.5	--	8.0	--
15...	0932	9	80513	80513	130	157	32	7.4	--	7.5	--
15...	0934	9	80513	80513	140	157	32	7.4	--	7.0	--
15...	0936	9	80513	80513	150	157	32	7.4	--	7.0	--
15...	0940	9	80513	80513	157	157	32	7.4	--	7.0	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY										
15...	0900	3.4	9.1	102	759	--	--	--	0	--
15...	0901	--	--	--	759	--	--	--	--	--
15...	0902	--	9.2	--	--	--	--	--	--	--
15...	0904	--	9.3	--	--	--	--	--	--	--
15...	0906	--	9.3	--	--	--	--	--	--	--
15...	0908	--	9.0	--	--	--	--	--	--	--
15...	0910	--	8.9	91	759	5	1.1	.8	--	12
15...	0912	--	8.9	--	--	--	--	--	--	--
15...	0914	--	8.8	--	--	--	--	--	--	--
15...	0916	--	9.0	--	--	--	--	--	--	--
15...	0918	--	9.2	--	--	--	--	--	--	--
15...	0920	--	9.3	--	--	--	--	--	--	--
15...	0922	--	9.4	--	--	--	--	--	--	--
15...	0924	--	9.6	--	--	--	--	--	--	--
15...	0925	--	9.7	83	759	5	3.0	.9	--	14
15...	0928	--	9.7	--	--	--	--	--	--	--
15...	0930	--	9.6	--	--	--	--	--	--	--
15...	0932	--	9.4	--	--	--	--	--	--	--
15...	0934	--	9.3	--	--	--	--	--	--	--
15...	0936	--	9.3	--	--	--	--	--	--	--
15...	0940	--	9.2	--	--	--	--	--	--	--

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
15...	0901	--	--	--	--	--	--	--	.500	<.100
15...	0910	.200	.270	3.0	3.3	3.5	<.010	<.010	--	--
15...	0925	.100	.210	3.9	4.1	4.2	<.010	<.010	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JUN								
25...	1220	9	80513	80513	.00	150	35	7.9
25...	1222	9	80513	80513	10.0	150	35	7.8
25...	1224	9	80513	80513	12.0	150	35	8.2
25...	1226	9	80513	80513	13.0	150	34	8.3
25...	1228	9	80513	80513	15.0	150	34	8.5
25...	1230	9	80513	80513	16.0	150	34	8.6
25...	1232	9	80513	80513	18.0	150	34	8.4
25...	1234	9	80513	80513	20.0	150	34	8.3
25...	1236	9	80513	80513	23.0	150	34	8.1
25...	1238	9	80513	80513	25.0	150	34	8.0
25...	1240	9	80513	80513	30.0	150	34	7.9
25...	1242	9	80513	80513	33.0	150	34	7.8
25...	1244	9	80513	80513	35.0	150	34	7.7
25...	1246	9	80513	80513	37.0	150	33	7.7
25...	1248	9	80513	80513	40.0	150	33	7.6
25...	1250	9	80513	80513	45.0	150	33	7.5
25...	1252	9	80513	80513	50.0	150	34	7.5
25...	1254	9	80513	80513	60.0	150	35	7.4
25...	1256	9	80513	80513	70.0	150	35	7.4
25...	1258	9	80513	80513	80.0	150	36	7.4
25...	1300	9	80513	80513	90.0	150	36	7.4
25...	1302	9	80513	80513	100	150	36	7.4
25...	1304	9	80513	80513	110	150	36	7.3
25...	1306	9	80513	80513	120	150	36	7.3
25...	1308	9	80513	80513	130	150	37	7.3
25...	1309	9	80513	80513	140	150	37	7.2
25...	1310	9	80513	80513	150	150	38	7.2

BEST COPY AVAILABLE

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
25...	1220	29.0	200	5.1	7.1	95	741
25...	1222	28.5	--	--	7.1	--	--
25...	1224	27.5	--	--	8.2	--	--
25...	1226	26.5	--	--	8.3	--	--
25...	1228	25.5	--	--	8.9	--	--
25...	1230	24.5	--	--	8.9	--	--
25...	1232	23.5	--	--	8.8	--	--
25...	1234	23.0	--	--	8.8	--	--
25...	1236	22.0	--	--	8.6	--	--
25...	1238	21.0	--	--	8.5	--	--
25...	1240	20.0	--	--	8.4	--	--
25...	1242	19.0	--	--	8.3	--	--
25...	1244	18.0	--	--	8.3	--	--
25...	1246	17.0	--	--	8.1	--	--
25...	1248	16.0	--	--	7.8	--	--
25...	1250	15.0	--	--	7.5	--	--
25...	1252	14.5	--	--	7.4	--	--
25...	1254	13.5	--	--	7.5	--	--
25...	1256	12.5	--	--	8.3	--	--
25...	1258	11.5	--	--	8.6	--	--
25...	1300	10.5	--	--	8.6	--	--
25...	1302	10.0	--	--	8.7	--	--
25...	1304	9.0	--	--	8.8	--	--
25...	1306	8.0	--	--	8.7	--	--
25...	1308	8.0	--	--	8.2	--	--
25...	1309	7.5	--	--	8.1	--	--
25...	1310	7.5	--	--	7.4	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
20...	1100	9	80513	80513	.00	150	28	7.4	28.0	182
20...	1101	9	80513	80010	3.00	150	28	7.4	28.0	--
20...	1102	9	80513	80513	10.0	150	28	7.3	28.0	--
20...	1104	9	80513	80513	20.0	150	27	7.8	27.0	--
20...	1106	9	80513	80513	21.0	150	27	8.1	25.5	--
20...	1108	9	80513	80513	22.0	150	27	8.2	24.5	--
20...	1110	9	80513	80513	24.0	150	27	8.3	23.5	--
20...	1112	9	80513	80513	26.0	150	26	8.4	22.5	--
20...	1114	9	80513	80513	27.0	150	26	8.2	21.5	--
20...	1116	9	80513	80513	28.0	150	26	8.1	20.5	--
20...	1118	9	80513	80513	30.0	150	26	7.9	19.5	--
20...	1120	9	80513	80513	32.0	150	26	7.8	18.5	--
20...	1122	9	80513	80513	35.0	150	26	7.7	17.5	--
20...	1124	9	80513	80513	37.0	150	26	7.6	16.5	--
20...	1126	9	80513	80513	40.0	150	26	7.5	15.5	--
20...	1128	9	80513	80513	44.0	150	26	7.5	14.5	--
20...	1130	9	80513	80513	50.0	150	26	7.4	13.5	--
20...	1132	9	80513	80513	60.0	150	27	7.4	12.5	--
20...	1134	9	80513	80513	70.0	150	28	7.4	11.5	--
20...	1136	9	80513	80513	80.0	150	28	7.4	10.5	--
20...	1138	9	80513	80513	90.0	150	28	7.3	9.5	--
20...	1140	9	80513	80513	100	150	28	7.3	8.5	--
20...	1142	9	80513	80513	110	150	29	7.3	8.0	--
20...	1144	9	80513	80513	120	150	29	7.0	8.0	--
20...	1146	9	80513	80513	130	150	30	7.0	7.5	--
20...	1148	9	80513	80513	140	150	30	7.0	7.5	--
20...	1150	9	80513	80513	150	150	30	7.0	7.5	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL									
20...	1100	4.6	7.5	97	755	--	--	--	--
20...	1101	--	7.7	99	755	<.010	<.010	1.00	<.100
20...	1102	--	8.4	--	--	--	--	--	--
20...	1104	--	9.5	--	--	--	--	--	--
20...	1106	--	9.8	--	--	--	--	--	--
20...	1108	--	9.9	--	--	--	--	--	--
20...	1110	--	10.0	--	--	--	--	--	--
20...	1112	--	10.1	--	--	--	--	--	--
20...	1114	--	10.0	--	--	--	--	--	--
20...	1116	--	9.0	--	--	--	--	--	--
20...	1118	--	8.5	--	--	--	--	--	--
20...	1120	--	8.4	--	--	--	--	--	--
20...	1122	--	7.9	--	--	--	--	--	--
20...	1124	--	7.8	--	--	--	--	--	--
20...	1126	--	7.3	--	--	--	--	--	--
20...	1128	--	7.1	--	--	--	--	--	--
20...	1130	--	7.0	--	--	--	--	--	--
20...	1132	--	7.3	--	--	--	--	--	--
20...	1134	--	7.8	--	--	--	--	--	--
20...	1136	--	8.0	--	--	--	--	--	--
20...	1138	--	8.2	--	--	--	--	--	--
20...	1140	--	8.2	--	--	--	--	--	--
20...	1142	--	8.1	--	--	--	--	--	--
20...	1144	--	7.7	--	--	--	--	--	--
20...	1146	--	7.3	--	--	--	--	--	--
20...	1148	--	7.1	--	--	--	--	--	--
20...	1150	--	7.0	--	--	--	--	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)
AUG									
21...	0820	9	80513	80513	.00	146	36	7.8	27.0
21...	0821	9	80513	80010	3.00	146	--	--	--
21...	0822	9	80513	80513	10.0	146	36	7.8	--
21...	0824	9	80513	80513	20.0	146	36	7.7	--
21...	0826	9	80513	80513	23.0	146	35	7.9	--
21...	0828	9	80513	80513	24.0	146	35	7.9	--
21...	0830	9	80513	80010	25.0	146	35	7.6	--
21...	0832	9	80513	80513	27.0	146	34	7.9	--
21...	0834	9	80513	80513	28.0	146	34	7.8	--
21...	0836	9	80513	80513	30.0	146	34	7.7	--
21...	0838	9	80513	80513	32.0	146	34	7.6	--
21...	0840	9	80513	80513	34.0	146	34	7.6	--
21...	0842	9	80513	80513	37.0	146	34	7.5	--
21...	0844	9	80513	80513	40.0	146	34	7.4	--
21...	0846	9	80513	80513	45.0	146	34	7.4	--
21...	0848	9	80513	80513	50.0	146	35	7.3	--
21...	0850	9	80513	80513	60.0	146	36	7.3	--
21...	0852	9	80513	80513	70.0	146	36	7.2	--
21...	0854	9	80513	80513	80.0	146	36	7.2	--
21...	0856	9	80513	80513	90.0	146	37	7.2	--
21...	0900	9	80513	80010	100	146	37	6.9	--
21...	0902	9	80513	80513	110	146	38	7.2	--
21...	0904	9	80513	80513	120	146	38	7.2	--
21...	0906	9	80513	80513	130	146	39	7.2	--
21...	0908	9	80513	80513	140	146	40	7.2	--
21...	0910	9	80513	80513	146	146	40	7.2	--

BEST COPY AVAILABLE

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
AUG									
21...	0820	25.5	169	4.3	7.6	94	753	--	--
21...	0821	--	--	--	--	--	753	--	--
21...	0822	25.5	--	--	7.6	--	--	--	--
21...	0824	25.0	--	--	7.8	--	--	--	--
21...	0826	24.0	--	--	8.7	--	--	--	--
21...	0828	23.0	--	--	9.4	--	--	--	--
21...	0830	22.5	--	--	9.6	112	753	1	.80
21...	0832	21.5	--	--	9.6	--	--	--	--
21...	0834	20.5	--	--	9.4	--	--	--	--
21...	0836	19.5	--	--	9.1	--	--	--	--
21...	0838	18.5	--	--	8.4	--	--	--	--
21...	0840	17.5	--	--	7.8	--	--	--	--
21...	0842	16.5	--	--	7.3	--	--	--	--
21...	0844	15.5	--	--	7.2	--	--	--	--
21...	0846	14.5	--	--	6.6	--	--	--	--
21...	0848	14.0	--	--	6.6	--	--	--	--
21...	0850	13.0	--	--	6.7	--	--	--	--
21...	0852	12.0	--	--	7.1	--	--	--	--
21...	0854	11.0	--	--	7.4	--	-	--	--
21...	0856	10.0	--	--	7.5	--	--	--	--
21...	0900	9.5	--	--	7.5	66	753	1	2.0
21...	0902	8.5	--	--	7.2	--	-	--	--
21...	0904	8.5	--	--	6.7	--	--	--	--
21...	0906	8.0	--	--	5.9	--	--	--	--
21...	0908	8.0	--	--	5.9	--	--	--	--
21...	0910	7.5	--	--	5.4	--	--	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG									
21...	0820	--	0	--	--	--	--	--	--
21...	0821	--	--	--	--	--	--	<.100	<.100
21...	0830	.6	--	12	<.100	<.010	<.010	--	--
21...	0900	.8	--	12	.200	<.010	<.010	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
20...	1200	9	80513	80513	.00	143	34	7.6	24.0	186
20...	1201	9	80513	80010	3.00	143	34	7.7	24.0	--
20...	1202	9	80513	80513	10.0	143	34	7.8	24.0	--
20...	1204	9	80513	80513	20.0	143	34	7.9	24.0	--
20...	1206	9	80513	80513	30.0	143	34	7.9	24.0	--
20...	1208	9	80513	80513	32.0	143	33	7.9	23.0	--
20...	1210	9	80513	80513	33.0	143	32	7.8	22.0	--
20...	1212	9	80513	80513	34.0	143	32	7.8	21.0	--
20...	1214	9	80513	80513	35.0	143	32	7.7	20.0	--
20...	1216	9	80513	80513	37.0	143	32	7.6	19.0	--
20...	1218	9	80513	80513	40.0	143	32	7.5	18.0	--
20...	1220	9	80513	80513	42.0	143	32	7.5	17.0	--
20...	1222	9	80513	80513	44.0	143	32	7.4	16.0	--
20...	1224	9	80513	80513	50.0	143	32	7.3	15.0	--
20...	1226	9	80513	80513	55.0	143	33	7.3	14.0	--
20...	1228	9	80513	80513	60.0	143	34	7.3	13.0	--
20...	1230	9	80513	80513	70.0	143	34	7.2	12.0	--
20...	1232	9	80513	80513	80.0	143	34	7.2	11.0	--
20...	1234	9	80513	80513	90.0	143	34	7.2	10.0	--
20...	1236	9	80513	80513	100	143	34	7.2	9.5	--
20...	12[illegible]	9	80513	80513	110	143	35	7.1	9.0	--
20...	1240	9	80513	80513	120	143	36	7.1	8.5	--
20...	1242	9	80513	80513	130	143	38	7.1	8.0	--
20...	1244	9	80513	80513	140	143	39	7.0	8.0	--
20...	1245	9	80513	80513	143	143	40	7.0	8.0	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP									
20...	1200	4.7	8.1	97	754	--	--	--	--
20...	1201	--	8.1	97	754	<.010	<.010	.900	<.100
20...	1202	--	8.1	--	--	--	--	--	--
20...	1204	--	8.1	--	--	--	--	--	--
20...	1206	--	8.1	--	--	--	--	--	--
20...	1208	--	8.5	--	--	--	--	--	--
20...	1210	--	9.2	--	--	--	--	--	--
20...	1212	--	9.0	--	--	--	--	--	--
20...	1214	--	8.5	--	--	--	--	--	--
20...	1216	--	8.0	--	--	--	--	--	--
20...	1218	--	7.4	--	--	--	--	--	--
20...	1220	--	6.6	--	--	--	--	--	--
20...	1222	--	6.1	--	--	--	--	--	--
20...	1224	--	5.9	--	--	--	--	--	--
20...	1226	--	5.9	--	--	--	--	--	--
20...	1228	--	6.0	--	--	--	--	--	--
20...	1230	--	6.3	--	--	--	--	--	--
20...	1232	--	6.7	--	--	--	--	--	--
20...	1234	--	6.9	--	--	--	--	--	--
20...	1236	--	6.8	--	--	--	--	--	--
20...	1238	--	6.4	--	--	--	--	--	--
20...	1240	--	5.1	--	--	--	--	--	--
20...	1242	--	4.3	--	--	--	--	--	--
20...	1244	--	4.1	--	--	--	--	--	--
20...	1245	--	3.9	--	--	--	--	--	--

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR

LOCATION.--Lat 35°31'02", long 91°59'50", in NE 1/4 sec.7, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on right bank 1,600 ft downstream from Greers Ferry Dam, 3.0 mi northeast of Heber Springs, and at mile 78.8.

DRAINAGE AREA.--1,153 mi^2.

PERIOD OF RECORD.--November 1949 to September 1952, water years 1955-71, December 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1949 to September 1952, water years 1968-71.

REMARKS.--Flow regulated by Greers Ferry Lake.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
18...	0940	9	80513	80513	120	41	6.2	10.5	3.5
NOV									
15...	1400	9	80513	80513	540	46	8.3	13.5	10.0

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC										
14...	0920	9	80513	80010	4610	40	6.6	1.0	9.0	7.4

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC									
14...	0920	66	740	6	6.4	1.3	7	15	2

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC									
14...	0920	2	4.3	11	1.0	13	4.0	3.0	.200

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
DEC									
14...	0920	.120	-.02	.10	.30	.020	<.010	330	410

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN									
19...	1130	9	80513	80513	40	45	8.4	5.0	11.6
FEB									
28...	0950	9	80513	80513	250	41	8.1	6.0	12.5
MAR									
29...	0840	9	80513	80513	4460	40	7.3	7.5	10.9
APR									
17...	0950	9	80513	80513	4030	44	7.7	8.0	9.8

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
MAY									
15...	0830	9	80513	80010	3220	32	7.1	14.5	8.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY									
15...	0830	9.5	81	764	5	2.6	1.4	2	13

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY								
15...	0830	.200	.280	2.9	3.2	3.4	.010	<.010

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN									
25...	1145	9	80513	80513	1810	36	7.9	12.5	11.9
JUL									
20...	1030	9	80513	80513	1270	30	7.5	13.5	10.6

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG											
21...	0800	9	80513	80010	2190	38	6.8	20.5	10.5	7.9	71

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEMI-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG										
21...	0800	756	2	3.0	1.0	0	14	.200	<.010	<.010

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
SEP									
20...	1130	9	80513	80513	1320	38	7.2	13.5	10.4

07076620 LITTLE RED RIVER NEAR SEARCY, AR

LOCATION.--Lat 35°16'57", long 91°43'09", in NW 1/4 NE 1/4 sec.35, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, on right bank 0.8 mi upstream from lower dam, and 1.0 mi upstream from old Highway 67 bridge, 2.0 mi north of Searcy and at mile 31.7.

DRAINAGE AREA.--1,648 mi^2.

PERIOD OF RECORD.--May 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is 171.77 ft National Geodetic Vertical Datum of 1929. Since May 20, 1983, auxiliary water-stage recorder 6.5 mi downstream.

REMARKS.--Records good except those for period of no gage-height record, July 26 to Aug. 2, 1983, and Dec. 3 to Jan. 3, 1984, which are fair.

EXTREMES FOR MAY TO SEPTEMBER 1983.--Maximum daily discharge, 10,200 ft^3/s July 28; minimum daily, 164 ft^3/s Sept. 15.

EXTREMES FOR 1984 WATER YEAR.--Maximum discharge, 13,300 ft^3/s May 5; maximum gage height, 28.12 ft Apr. 3; minimum daily discharge, 62 ft^3/s Oct. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, MAY TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	1020	3560	3800	2210
2								---	1130	3940	3300	2580
3								---	1090	3390	3690	1670
4								---	1670	3400	3310	1280
5								---	1660	3950	1290	488
6								---	1770	3580	1910	242
7								---	2780	3370	1580	1640
8								---	2910	3220	960	1670
9								---	3030	3020	1260	2170
10								---	2940	645	1640	2210
11								---	3030	234	2050	1350
12								---	2860	1330	1390	639
13								---	2960	2050	1130	1520
14								---	2980	1950	1120	323
15								---	3240	934	798	164
16								---	3050	409	1070	166
17								---	2980	290	2360	259
18								---	2970	895	1930	431
19								---	3090	3980	1820	468
20								---	3230	4960	1780	1360
21								4880	5890	7050	2300	365
22								4870	7200	7620	2190	197
23								4270	5260	7960	3120	171
24								4460	2500	7270	2550	285
25								3700	2240	8810	2540	299
26								3630	2100	9200	2700	210
27								4040	1780	6000	2990	188
28								3080	3020	10200	3240	388
29								1100	3250	3800	2780	301
30								1180	3230	9500	3430	191
31								1130	---	3600	3450	---
TOTAL								---	86860	130117	69478	25435
MEAN								---	2895	4197	2241	848
MAX								---	7200	10200	3800	2580
MIN								---	1020	234	798	164
AC-FT								---	172300	258100	137800	50450

07076620 LITTLE RED RIVER NEAR SEARCY, ARK--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	219	66	2720	900	517	3130	6410	3390	3740	352	814	3500
2	219	66	2860	800	592	2550	4020	1940	3530	195	817	2350
3	182	77	3100	780	475	1260	11300	7240	3450	273	912	370
4	181	188	800	779	463	2230	6660	6850	3450	732	794	430
5	171	133	800	423	414	7570	4220	4280	3610	398	776	766
6	165	166	1400	700	362	5440	3880	5120	3850	634	871	880
7	163	118	3100	708	325	3150	3300	8580	3830	1220	1490	3000
8	181	82	3500	421	317	2210	5530	10300	3720	1500	1330	588
9	183	130	8800	374	690	2990	9810	5720	3950	1260	895	315
10	176	116	3300	620	412	2050	6550	4140	649	2860	746	424
11	180	86	5300	630	354	833	5030	3550	298	2650	1630	2530
12	201	78	13000	816	2760	843	4330	4240	2620	1440	1890	2300
13	196	78	8700	1180	5880	2930	4440	3100	3040	1120	1270	3150
14	113	79	7200	1680	2900	1010	3990	3110	3050	1540	2940	3210
15	81	82	9600	617	1910	1350	3750	3340	2790	1620	2050	709
16	70	268	7800	382	1650	2250	3960	3500	2250	564	2130	280
17	75	343	7400	345	1680	8000	3760	2950	801	1220	2500	278
18	320	124	2700	328	1390	2700	4630	2880	854	951	1950	905
19	374	110	3500	290	2920	3500	4480	3160	1960	1050	1180	1160
20	518	133	7000	257	1220	4800	5360	3610	1480	1160	730	870
21	328	148	4800	370	772	4200	2610	3660	1510	1450	2500	1440
22	133	162	1500	751	637	4070	3490	3090	2090	760	2300	1320
23	91	347	2400	978	574	4100	3620	2980	2450	667	1200	481
24	74	555	3700	1750	504	4110	4320	3720	410	2080	2250	336
25	64	749	2300	1440	447	3480	4180	3990	253	1650	1500	1560
26	62	749	1700	1220	436	3480	4120	3540	1720	2470	2600	433
27	96	749	3400	1060	2800	4080	4180	2800	1470	1300	1300	568
28	104	761	4800	880	3440	5470	4810	3500	842	389	2100	310
29	75	1140	3200	758	2180	6430	120	3000	2460	248	3460	268
30	66	2700	2300	637	---	5690	237	3180	1820	287	3560	783
31	66	---	1200	536	---	4030	---	3460	---	815	3460	---
TOTAL	5127	10583	133880	23410	39021	109936	137097	127920	67947	34855	53945	35514
MEAN	165	353	4319	755	1346	3546	4570	4126	2265	1124	1740	1184
MAX	518	2700	13000	1750	5880	8000	11300	10300	3950	2860	3560	3500
MIN	62	66	800	257	317	833	120	1940	253	195	730	268
AC-FT	10170	20990	265600	46430	77400	218100	271900	253700	134800	69130	107000	70440

WTR YR 1984 TOTAL 779235 MEAN 2129 MAX 13000 MIN 62 AC-FT 1546000

07076626 LITTLE RED RIVER ABOVE SEARCY, AR

LOCATION.--Lat 35°16'12", long 91°42'26", in SE 1/4 SW 1/4 sec.36, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, 1200 ft downstream from lower dam at bridge on State Highway 367 at Searcy, Ar.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983										
29...	1110	9	9827	9827	660	--	5.0	9.0	--	--
JAN, 1984										
03...	1225	9	9827	9827	1000	6.3	12.0	4.0	5.0	13.5
17...	1115	9	9827	9827	310	6.2	1.0	3.0	4.0	--
FEB										
21...	1125	9	9827	9827	40	6.4	17.0	9.0	6.0	11.0
APR										
24...	--	9	9827	9827	6400	6.8	22.0	12.0	6.0	10.8
MAY										
22...	1040	9	9827	9827	--	6.8	--	--	6.5	10.4
29...	1035	9	9827	9827	7000	6.8	18.0	14.0	7.0	10.7
JUL										
10...	1250	9	9827	9827	4800	6.9	32.0	29.0	20	10.0
31...	1245	9	9827	9827	1340	6.9	25.0	22.0	5.0	8.8
SEP										
04...	1120	9	9827	9827	200	7.0	24.0	18.0	5.0	9.9

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
29...	1110	--	260	--	--	--	--	--	--
JAN, 1984									
03...	1225	.7	4	<1.0	4.5	42	.06	5	.51
17...	1115	.6	4	3.0	4.5	24	.03	4	.48
FEB									
21...	1125	.9	10	4.0	4.5	37	.05	3	.41
APR									
24...	--	.5	K8	6.0	3.0	32	.04	9	.17
MAY									
22...	1040	.6	32	2.0	2.5	28	.04	8	.18
29...	1035	1.0	20	5.0	4.0	43	.06	9	.18
JUL									
10...	1250	2.1	230	4.0	5.0	41	.06	8	.18
31...	1245	1.1	20	5.0	2.5	28	.04	8	.12
SEP									
04...	1120	1.0	16	5.0	5.0	37	.05	3	.21

07076626 LITTLE RED RIVER ABOVE SEARCY, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JAN, 1984									
03...	1225	.080	.100	.010	0	--	10	--	40
17...	1115	.030	<.010	<.010	0	<1	<10	27	40
FEB									
21...	1125	<.010	.030	.010	0	<1	<10	7	70
APR									
24...	--	.010	.050	.010	0	<1	12	5	60
MAY									
22...	1040	.060	.030	<.010	0	<1	13	4	40
29...	1035	.050	.030	.010	0	<1	<10	6	--
JUL									
10...	1250	<.010	--	<.010	0	<1	20	6	--
31...	1245	--	--	--	0	<1	<10	--	20
SEP									
04...	1120	<.010	.020	.010	0	<1	<10	13	40

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
31...	1245	.000	.000	<.010	.000	.000	.00	.00	.0

07076632 LITTLE RED RIVER BELOW SEARCY, AR

LOCATION.--Lat 35°15'19", long 91°40'34", in SW 1/4 SW 1/4 sec.5, T.7 N., R.6 W., White County, Hydrologic Unit 11010014, at bridge on State Highway 367 2.2 mi east of Searcy and 3 mi west of Judsonia, Ark.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983										
01...	1045	9	9827	9827	67	7.2	--	--	6.6	10.7
29...	1040	9	9827	9827	663	--	10.0	11.0	--	--
JAN, 1984										
03...	1200	9	9827	9827	1000	6.2	12.0	3.0	5.0	12.7
17...	1045	9	9827	9827	314	6.6	11.0	4.0	4.0	--
FEB										
21...	1100	9	9827	9827	44	6.4	21.0	9.0	7.0	10.7
APR										
24...	1040	9	9827	9827	6410	6.9	24.0	12.0	6.3	10.8
MAY										
22...	1010	9	9827	9827	--	6.7	--	--	6.0	10.3
29...	1015	9	9827	9827	7000	6.7	20.0	13.0	7.0	10.5
JUL										
10...	1050	9	9827	9827	4800	7.1	32.0	19.0	20	9.4
31...	1225	9	9827	9827	1340	6.8	28.0	22.0	6.0	9.4
SEP										
04...	1058	9	9827	9827	205	7.0	25.0	18.0	6.0	9.9

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	1045	3.6	440	5.0	8.0	61	.08	10	.28
29...	1040	--	340	--	--	--	--	--	--
JAN, 1984									
03...	1200	1.2	520	1.0	5.5	46	.06	4	.46
17...	1045	.8	350	3.0	5.0	31	.04	4	.49
FEB									
21...	1100	1.1	100	4.0	5.0	35	.05	6	.39
APR									
24...	1040	.6	60	6.0	3.0	35	.05	8	.17
MAY									
22...	1010	.6	16	2.0	2.5	28	.04	6	.20
29...	1015	.9	60	5.0	5.0	40	.05	10	.19
JUL									
10...	1050	1.6	200	5.0	7.0	46	.06	18	.16
31...	1225	1.7	--	4.0	2.5	33	.04	11	.15
SEP									
04...	1058	1.0	26	5.0	5.5	41	.06	9	.21

BEST COPY AVAILABLE

07076632 LITTLE RED RIVER BELOW SEARCY, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	1045	.310	.420	.290	0	2	<10	--	--
JAN, 1984									
03...	1200	.210	.200	.050	1	--	<10	--	90
17...	1045	.090	.040	.010	0	1	<10	17	60
FEB									
21...	1100	.030	.070	.020	0	1	<10	6	70
APR									
24...	1040	.010	.060	.010	0	<1	<10	7	40
MAY									
22...	1010	.100	.040	<.010	0	<1	15	3	60
29...	1015	.060	.040	.010	0	<1	<10	10	--
JUL									
10...	1050	.010	--	.010	0	<1	<10	9	--
31...	1225	--	--	--	0	1	<10	--	20
SEP									
04...	1058	.010	.040	.020	0	<1	<10	19	50

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
31...	1225	.000	.000	.000	.000	.000	.00	<.01	.0

07076950 WATTENSAW BAYOU NEAR HAZEN, AR

LOCATION.--Lat 34°52'34" long 91°33'56", in SE 1/4 SE 1/4 sec.18, T.3 N., R.5 W., Prairie County, Hydrologic Unit 08020301 at bridge on State Highway 11, 7.0 mi north of Hazen, Ark.

DRAINAGE AREA.--192 mi^2.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983										
01...	0930	9	9827	9827	--	6.9	24.0	17.0	30	2.8
21...	1450	9	9827	9827	--	6.6	19.0	14.0	180	6.4
JAN, 1984										
24...	0900	9	9827	9827	--	6.5	7.0	2.0	90	12.5
FEB										
28...	0900	9	9827	9827	--	6.7	3.0	4.0	100	10.4
MAR										
27...	0900	9	9827	9827	195	6.7	20.0	15.0	80	7.2
APR										
17...	0915	9	9827	9827	710	6.9	18.0	16.0	35	7.3
MAY										
08...	1315	9	9827	9827	--	6.6	15.0	19.0	90	--
JUN										
19...	1350	9	9827	9827	23	7.4	32.0	28.0	30	2.2
JUL										
31...	1400	9	9827	9827	.00	7.6	28.0	27.0	15	8.2
AUG										
28...	1410	9	9827	9827	5.0	7.3	28.0	27.0	35	3.8
SEP										
25...	1400	9	9827	9827	8.0	7.3	25.0	24.0	25	4.3

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	0930	1.7	40	12	16	139	.19	18	.10
21...	1450	4.8	2100	8.0	14	200	.27	128	.39
JAN, 1984									
24...	0900	3.3	620	5.0	6.5	107	.15	73	.72
FEB									
28...	0900	3.6	1400	6.0	6.5	145	.20	--	.47
MAR									
27...	0900	2.5	180	38	6.5	114	.16	51	.70
APR									
17...	0915	2.2	50	3.0	5.0	116	.16	24	.25
MAY									
08...	1315	2.7	700	6.0	3.0	236	.32	52	.23
JUN									
19...	1350	2.2	10	6.0	24	216	.29	39	.30
JUL									
31...	1400	4.1	270	35	41	251	.34	18	.06
AUG									
28...	1410	1.5	170	11	22	169	.23	30	.36
SEP									
25...	1400	2.4	410	4.0	19	136	.19	23	.17

BEST COPY AVAILABLE

07076950 WATTENSAW BAYOU NEAR HAZEN, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	0930	.070	--	.050	0	3	<10	4	60
21...	1450	--	.440	.150	0	10	18	10	40
JAN, 1984									
24...	0900	.210	.190	.060	0	3	<10	8	40
FEB									
28...	0900	.280	.270	.120	0	0	16	18	--
MAR									
27...	0900	.320	.170	.110	0	2	13	--	20
APR									
17...	0915	.080	.170	.090	0	1	18	2	70
MAY									
08...	1315	--	.170	.110	0	--	16	6	--
JUN									
19...	1350	.120	--	.050	0	<1	25	10	60
JUL									
31...	1400	.010	.100	.010	0	<1	24	6	--
AUG									
28...	1410	.040	.120	.070	0	1	15	6	40
SEP									
25...	1400	.020	.110	.060	0	1	14	5	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983									
01...	0930	.000	.000	.000	.000	.000	.00	.00	.0
JUL, 1984									
31...	1400	.000	.000	.000	.000	.000	.00	<.01	.0

07077000 WHITE RIVER AT DEVALLS BLUFF, AR

LOCATION.--Lat 34°47'25", long 91°26'45", in SE 1/4 sec.17, T.2 N., R.4 W., Prairie County, Hydrologic Unit 08020301, near center of span on downstream side of bridge on U.S. Highway 70, 1.0 mi northeast of DeValls Bluff, 7.5 mi downstream from Wattensaw Bayou, 24.1 mi upstream from Cache River, and at mile 125.3.

DRAINAGE AREA.--23,483 mi².

PERIOD OF RECORD.--December 1967 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: May 1963 to September 1970.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
04...	1330	9	9827	9827	6940	8.4	28.0	24.0	20	9.6
NOV										
01...	1010	9	9827	9827	5200	8.5	24.0	18.0	6.8	12.0
21...	0920	9	9827	9827	7260	7.9	18.0	13.0	55	9.8
JAN, 1984										
24...	0930	9	9827	9827	17900	7.7	6.0	1.0	30	13.1
FEB										
28...	0945	9	9827	9827	21100	7.6	4.0	6.0	60	10.8
MAR										
27...	0945	9	9827	9827	39900	7.7	20.0	13.0	45	10.4
APR										
17...	1500	9	9827	9827	55500	7.8	18.0	16.0	25	9.9
MAY										
08...	1230	9	9827	9827	61700	7.5	14.0	18.0	40	--
JUN										
19...	1310	9	9827	9827	17900	8.0	30.0	26.0	25	9.6
JUL										
31...	1315	9	9827	9827	12000	8.3	26.0	25.0	25	10.0
AUG										
28...	1330	9	9827	9827	11000	8.2	28.0	26.0	20	10.0
SEP										
25...	1310	9	9827	9827	8110	8.3	24.0	23.0	10	10.5

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
04...	1330	3.2	4	4.0	7.5	198	.27	27	.01
NOV									
01...	1010	2.4	<4	5.0	6.0	190	.26	18	.01
21...	0920	1.6	350	5.0	7.0	191	.26	66	.39
JAN, 1984									
24...	0930	.9	100	5.0	6.5	147	.20	42	.37
FEB									
28...	0945	1.4	90	6.0	6.0	146	.20	--	.31
MAR									
27...	0945	1.3	48	8.0	5.0	133	.18	53	.20
APR									
17...	1500	2.0	40	4.0	2.5	128	.17	29	.11
MAY									
08...	1230	1.5	260	5.0	4.0	140	.19	33	.21
JUN									
19...	1310	2.2	450	5.0	8.0	149	.20	42	.13
JUL									
31...	1315	2.9	10	16	5.0	157	.21	<10	.14
AUG									
28...	1330	2.4	15	5.0	5.5	142	.19	33	.18
SEP									
25...	1310	3.3	10	<1.0	5.0	154	.21	20	.01

07077000 WHITE RIVER AT DEVALLS BLUFF, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
04...	1330	.010	.070	<.010	0	2	13	<1	--
NOV									
01...	1010	<.010	--	<.010	0	3	<10	1	20
21...	0920	--	.140	.010	0	3	<10	3	40
JAN, 1984									
24...	0930	.050	.090	.010	0	2	<10	<1	20
FEB									
28...	0945	.060	.140	.050	3	0	<10	2	--
MAR									
27...	0945	.170	.070	.030	0	<1	<10	--	0
APR									
17...	1500	.020	.080	.020	0	1	12	<1	130
MAY									
08...	1230	--	.100	.060	0	--	<10	1	--
JUN									
19...	1310	.020	--	.010	0	<1	<10	1	20
JUL									
31...	1315	<.010	.070	.010	0	2	<10	1	--
AUG									
28...	1330	<.010	.060	.010	0	3	<10	1	20
SEP									
25...	1310	<.010	.060	.010	0	1	<10	<1	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
31...	1315	.000	.000	.000	.000	.000	.00	<.01	.0

07077380 CACHE RIVER AT EGYPT, AR

LOCATION.--Lat 35°51'28", long 90°56'00", in NW 1/4 SE 1/4 sec.12, T.14 N., R.1 E., Craighead County, Hydrologic Unit 08020302, on right bank on downstream side of bridge on State Highway 91, 1.0 mi southeast of Egypt, 2.2 mi northwest of Winesburg, and at mile 143.

DRAINAGE AREA.--701 mi^2.

PERIOD OF RECORD.--October 1964 to current year. Daily stages and results of discharge measurements for July 1937 to December 1940, and December 1944 to date are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1972: 1966. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 222.99 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--20 years, 821 ft^3/s, 15.90 in/yr, 594,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,940 ft^3/s Jan. 6, 1966, gage height, 21.88 ft; no flow Nov. 6-11, 16, 17, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,320 ft^3/s May 11, gage height, 19.16 ft; minimum, 18 ft^3/s Nov. 3, gage height, 3.72 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	28	1730	300	563	300	1390	835	2090	116	249	171
2	32	23	2070	240	336	222	1040	550	1630	119	285	173
3	29	19	3330	190	221	188	3020	1570	772	119	246	189
4	26	27	3650	145	177	507	3460	1790	321	127	243	294
5	24	574	3660	400	149	2370	3430	1010	172	132	565	300
6	23	895	3670	1250	115	2440	3220	1340	144	372	804	254
7	84	827	3560	1490	85	1920	2790	3460	140	657	775	202
8	195	697	3360	1550	69	1130	2370	4080	137	570	608	176
9	147	471	3050	1570	67	454	2770	4220	136	376	384	1450
10	83	262	2660	1790	58	226	2830	4280	136	215	277	2730
11	50	140	3150	1900	57	149	2470	4300	134	139	217	2680
12	40	96	3310	1420	1480	118	2030	4280	134	338	198	2050
13	33	75	3200	921	3210	127	1580	4170	133	426	188	1440
14	35	60	2950	544	3340	190	1060	4030	132	265	247	996
15	66	50	2630	355	3190	170	642	3820	132	178	279	665
16	63	41	2260	275	2830	180	399	3600	245	367	290	419
17	57	37	1940	225	2380	958	292	3360	209	657	254	279
18	51	35	1620	160	1990	1900	225	3030	142	790	223	202
19	41	67	1250	140	1720	1870	182	2570	128	665	224	197
20	50	1010	1100	200	1480	1710	162	2210	127	406	255	193
21	72	1450	1400	400	1140	1630	202	1960	317	224	224	161
22	163	1400	1900	600	700	1450	298	1690	724	150	187	137
23	344	2480	2300	950	348	1230	265	1190	518	118	278	376
24	378	3280	2500	1300	221	956	171	639	301	97	376	1390
25	265	3240	2250	2550	158	719	129	355	191	94	342	1830
26	149	2980	2000	2940	118	541	111	244	145	103	275	1920
27	93	2660	2100	2470	259	316	106	538	129	152	215	1870
28	63	2620	1400	1900	687	365	104	2060	158	188	180	1690
29	50	2390	800	1420	501	1550	102	2480	157	179	159	1500
30	36	2050	550	1080	---	1900	400	2490	138	150	143	1310
31	31	---	370	822	---	1710	---	2350	---	143	156	---
TOTAL	2814	29984	71720	31497	27649	29496	37250	74501	9972	8632	9346	27244
MEAN	90.8	999	2314	1016	953	951	1242	2403	332	278	301	908
MAX	378	3280	3670	2940	3340	2440	3460	4300	2090	790	804	2730
MIN	23	19	370	140	57	118	102	244	127	94	143	137
CFSM	.13	1.43	3.30	1.45	1.36	1.36	1.77	3.43	.47	.40	.43	1.30
IN.	.15	1.59	3.81	1.67	1.47	1.57	1.98	3.95	.53	.46	.50	1.45
AC-FT	5580	59470	142300	62470	54840	58510	73890	147800	19780	17120	18540	54040

CAL YR 1983 TOTAL 352155 MEAN 965 MAX 4900 MIN 19 CFSM 1.38 IN. 18.69 AC-FT 698500
WTR YR 1984 TOTAL 360105 MEAN 984 MAX 4300 MIN 19 CFSM 1.40 IN. 19.11 AC-FT 714300

07077500 CACHE RIVER AT PATTERSON, AR

LOCATION.--Lat 35°16'10", long 91°14'15", in SE 1/4 sec.31, T.8 N., R.2 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64 at Patterson, 10.9 mi upstream from Maple Slough, and at mile 77.2.

DRAINAGE AREA.--1,037 mi².

PERIOD OF RECORD.--October 1952 to May 1955, October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT											
18...	1020	9	80513	80010	449	8.2	17.0	.0	0	762	1.8
JAN											
03...	1025	9	80513	80010	138	7.0	.0	8.3	56	770	.8
FEB											
16...	1230	9	80513	80010	80	7.3	12.0	8.4	78	758	3.6
APR											
12...	0850	9	80513	80010	66	7.2	14.0	7.5	73	760	3.4
JUN											
27...	0930	9	80513	80010	246	7.6	26.0	4.2	52	755	3.2
AUG											
20...	1110	9	80513	80010	340	8.0	26.0	4.8	59	764	2.4

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3) (95902)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT										
18...	1020	560	1100	170	0	0	42	15	27	26
JAN										
03...	1025	K33	260	34	0	0	8.3	3.3	6.0	25
FEB										
16...	1230	K170	2200	20	0	0	5.0	1.9	4.4	29
APR										
12...	0850	K100	K230	18	0	0	4.6	1.7	3.7	28
JUN										
27...	0930	97	480	79	0	0	20	7.1	12	24
AUG										
20...	1110	K33	300	140	0	0	36	11	16	20

DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT										
18...	1020	.9	3.0	201	13	20	.20	.260	.310	.040
JAN										
03...	1025	.5	3.5	35	9.1	5.8	<.10	.360	.270	.040
FEB										
16...	1230	.4	2.4	21	8.3	3.4	<.10	.330	.350	.070
APR										
12...	0850	.4	2.0	20	8.4	2.8	<.10	.340	.360	.060
JUN										
27...	0930	.6	3.8	87	18	9.4	.20	.460	.300	.040
AUG										
20...	1110	.6	2.5	144	12	8.8	.20	.470	.460	.030

07077500 CACHE RIVER AT PATTERSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT										
18...	1020	.070	.300	.380	.150	.110	.85	.59	1.0	.30
JAN										
03...	1025	.030	.400	.300	.150	.120	.85	1.2	1.0	.00
FEB										
16...	1230	.010	.400	.360	.150	.100	1.1	.40	1.2	.70
APR										
12...	0850	.040	.400	.400	.160	.190	2.1	.71	2.3	1.4
JUN										
27...	0930	.100	.500	.400	.150	.120	1.1	.98	1.2	--
AUG										
20...	1110	.020	.500	.480	.080	.120	1.0	.88	1.1	--

DATE	TIME	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
18...	1020	.70	1.3	1.1	.160	.100	2	60	2	<1
JAN										
03...	1025	1.3	1.4	1.6	.170	.080	--	20	--	--
FEB										
16...	1230	.50	1.6	.86	.230	.060	--	40	--	--
APR										
12...	0850	.90	2.7	1.3	.210	.080	--	30	--	--
JUN										
27...	0930	1.1	1.7	--	.120	.040	--	40	--	--
AUG										
20...	1110	1.0	1.6	--	.150	.070	--	40	--	--

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT										
18...	1020	1	7	2400	5	370	.2	3	1	30

BEST COPY AVAILABLE

07077660 BAYOU DEVIEW NEAR GIBSON, AR

LOCATION.--Lat 35°47'36", long 90°50'18", in SW 1/4 SW 1/4 sec.36, T.14 N., R.2 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 226, 1.8 mi northwest of Gibson.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
25...	1720	9	9827	9827	--	--	18.0	16.0	--	--
NOV										
29...	1420	9	9827	9827	--	--	8.0	8.0	--	--
JAN, 1984										
10...	1630	9	9827	9827	--	--	5.0	3.0	160	12.1
24...	1630	9	9827	9827	385	6.8	4.0	1.0	160	13.3
FEB										
21...	1630	9	9827	9827	--	7.0	18.0	11.0	55	10.8
MAR										
20...	1430	9	9827	9827	--	6.9	--	--	120	--
APR										
24...	1600	9	9827	9827	--	7.3	27.0	14.0	45	10.1
MAY										
22...	1545	9	9827	9827	4.0	7.5	35.0	20.0	50	9.9
JUN										
19...	1600	9	9827	9827	--	8.0	32.0	28.0	30	7.6
JUL										
31...	1630	9	9827	9827	48	8.0	30.0	24.0	25	9.2
AUG										
21...	1600	9	9827	9827	105	8.1	39.0	25.0	25	8.5
SEP										
25...	1645	9	9827	9827	55	7.8	36.0	25.0	9.0	6.9

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
25...	1720	--	630	--	--	--	--	--	--
NOV									
29...	1420	--	400	--	--	--	--	--	--
JAN, 1984									
10...	1630	4.6	1300	10	9.5	162	.22	190	.75
24...	1630	5.1	2900	7.0	6.0	117	.16	402	.70
FEB									
21...	1630	2.6	36	--	10	138	.19	25	.59
MAR									
20...	1430	3.0	900	10	3.5	132	.18	135	.35
APR									
24...	1600	2.4	1200	17	11	141	.19	22	1.0
MAY									
22...	1545	4.3	300	<1.0	13	--	--	195	--
JUN									
19...	1600	5.2	20	48	24	364	.50	34	.05
JUL									
31...	1630	3.2	--	28	13	338	.46	31	.06
AUG									
21...	1600	4.9	20	--	28	259	.35	33	.57
SEP									
25...	1645	3.1	510	22	41	250	.34	13	2.2

07077660 BAYOU DEVIEW NEAR GIBSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JAN, 1984									
10...	1630	.360	.370	.350	0	12	11	7	40
24...	1630	.320	.460	.190	0	--	12	9	30
FEB									
21...	1630	.450	.850	.750	0	4	14	--	--
MAR									
20...	1430	.260	.490	.250	0	4	14	6	30
APR									
24...	1600	.080	.900	.760	0	2	20	4	30
MAY									
22...	1545	--	1.50	1.30	0	5	77	5	80
JUN									
19...	1600	--	--	.270	--	<1	<10	7	20
JUL									
31...	1630	<.010	.120	.040	0	<1	<10	7	20
AUG									
21...	1600	.120	1.50	.900	0	<1	11	5	0
SEP									
25...	1645	.020	4.70	4.25	0	1	19	8	30

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
21...	1600	.000	.000	.000	.000	.000	.00	<.01	.0

07077700 BAYOU DEVIEW AT MORTON, AR

LOCATION.--Lat 35°15'07", long 91°06'37", near center of secs.4, 5, 8, and 9, T.7 N., R.1 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64, 1.0 mi west of Morton, and at mile 39.6.

DRAINAGE AREA.--421 mi^2.

PERIOD OF RECORD.--October 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
18...	1045	9	80513	80010	447	8.1	17.0	4.8	50	764	2.0
JAN											
03...	1100	9	80513	80010	148	7.1	.0	9.3	63	770	3.6
FEB											
16...	1300	9	80513	80010	77	7.0	13.0	8.4	80	758	2.4
APR											
12...	1045	9	80513	80010	80	7.4	14.0	7.2	70	760	3.9
JUN											
27...	1000	9	80513	80010	258	7.4	26.5	1.6	20	755	7.5
AUG											
20...	1145	9	80513	80010	345	8.0	26.0	4.2	52	764	3.4

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT										
18...	1045	K67	250	170	0	0	43	14	26	25
JAN										
03...	1100	K22	K65	45	0	0	11	4.3	8.5	27
FEB										
16...	1300	K120	4000	25	5	5	6.6	2.0	4.2	25
APR										
12...	1045	K100	520	22	0	0	6.0	1.8	3.9	25
JUN										
27...	1000	K20	K72	80	5	5	21	6.8	11	22
AUG										
20...	1145	K120	150	140	7	7	38	11	12	15

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT										
18...	1045	.9	4.3	176	22	28	.30	--	.160	.020
JAN										
03...	1100	.6	4.3	45	13	9.6	<.10	.470	.410	.030
FEB										
16...	1300	.4	2.7	20	7.7	3.9	<.10	.320	--	.080
APR										
12...	1045	.4	2.5	22	8.5	3.8	.10	.250	.300	.050
JUN										
27...	1000	.6	4.9	76	20	11	.20	.360	.200	.140
AUG										
20...	1145	.5	2.5	133	21	11	.20	.330	.400	.070

07077700 BAYOU DEVIEW AT MORTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT										
18...	1045	.050	<.100	.210	.050	.120	.65	.38	.70	.20
JAN										
03...	1100	.040	.500	.450	.280	.260	1.0	1.7	1.3	.00
FEB										
16...	1300	<.010	.400	.280	.220	.160	1.7	.34	1.9	1.4
APR										
12...	1045	.050	.300	.350	.910	.300	1.3	1.7	2.2	.20
JUN										
27...	1000	.070	.500	.270	.400	.020	1.7	1.6	2.1	--
AUG										
20...	1145	.060	.400	.460	.160	.130	.84	.97	1.0	--

DATE	TIME	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
18...	1045	.50	--	.85	.130	.070	2	70	2	<1
JAN										
03...	1100	2.0	1.8	2.5	.280	.130	--	40	--	--
FEB										
16...	1300	.50	2.3	.78	.260	.060	--	40	--	--
APR										
12...	1045	2.0	2.5	2.4	.220	.070	--	30	--	--
JUN										
27...	1000	1.6	2.6	--	.140	.020	--	30	--	--
AUG										
20...	1145	1.1	1.4	--	.180	.080	--	30	--	--

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT										
18...	1045	1	4	850	6	160	.2	1	1	10

07077800 WHITE RIVER AT CLARENDON, AR
(National stream-quality accounting network station)

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

LOCATION.--Lat 34°41'08", long91°18'55", in W 1/2 sec.22, T.1 N., R.3W., Monroe County, Hydrologic Unit 08020303, at St. Louis Southwestern Railroad bridge at Clarendon, 1.1 mi downstream from Cache River and at mile 100.1.

DRAINAGE AREA.--25,555 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948 to 1967, October 1970 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1947 to September 1965, October 1974 to September 1981.
WATER TEMPERATURES: October 1948 to September 1965, October 1974 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
NOV											
01...	1100	9	80513	80010	6300	326	8.6	17.0	5.7	11.4	117
JAN											
04...	1230	9	80513	80010	46200	220	7.8	2.0	24	11.6	84
APR											
11...	0930	9	80513	80010	69800	184	8.0	14.0	25	9.6	94
JUL											
03...	0930	9	80513	80010	13200	281	8.8	27.0	17	8.0	102

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
NOV											
01...	1100	770	3	14	170	4	4	39	18	3.9	5
JAN											
04...	1230	763	36	80	110	6	6	27	10	3.0	6
APR											
11...	0930	757	43	100	86	3	3	21	8.2	2.1	5
JUL											
03...	0930	751	5	84	130	3	3	32	12	3.2	5

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
NOV											
01...	1100	.1	1.3	168	7.3	6.2	.30	4.1	189	180	.26
JAN											
04...	1230	.1	1.8	103	9.4	4.1	<.10	6.0	141	120	.19
APR											
11...	0930	.1	1.4	83	7.4	5.2	<.10	4.1	107	99	.15
JUL											
03...	0930	.1	1.3	127	6.3	4.8	.10	5.2	153	140	.21

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
NOV											
01...	1100	<.100	.030	.40	.060	.040	<.010	<10	2	52	<.5
JAN											
04...	1230	.350	.110	.90	.070	.040	.030	30	1	60	<.5
APR											
11...	0930	.120	.070	2.1	<.010	.020	<.010	20	1	38	<.5
JUL											
03...	0930	<.100	<.010	.30	.180	.010	<.010	<10	1	45	<.0

BEST COPY AVAILABLE

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
NOV 01...	1100	1	<1	<3	2	9	2	<4	13	<.1
JAN 04...	1230	<1	<1	<3	1	64	1	<4	19	<.1
APR 11...	0930	<1	<1	<3	2	80	1	<4	10	<.1
JUL 03...	0930	<1	<1	<3	2	8	<1	8	6	<.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 01...	1100	<10	1	<1	<1	49	7	15	255	64
JAN 04...	1230	<10	1	<1	<1	34	10	76	9480	35
APR 11...	0930	<10	2	<1	1	32	9	30	5650	80
JUL 03...	0930	<10	<1	<1	2	41	<3	63	2250	94

07077820 WHITE RIVER AT ST. CHARLES, AR

LOCATION.--Lat 36°22'35", long 91°07'30", in SW 1/4 NE 1/4 sec.4, T.4 S., R.1 W., Arkansas County, Hydrologic Unit 08020303, at St. Charles Ferry on west bank at State Highway 1, and 0.4 mi east of St. Charles.

DRAINAGE AREA.--25,809 mi^2.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
04...	1445	9	9827	9827	7720	8.2	27.0	20.0	2.0	8.8
NOV										
01...	1440	9	9827	9827	7020	8.5	24.0	18.0	5.6	11.8
29...	1440	9	9827	9827	25900	--	8.0	10.0	--	--
JAN, 1984										
03...	1455	9	9827	9827	--	7.5	9.0	1.0	25	12.1
31...	1425	9	9827	9827	--	7.4	11.0	4.0	40	12.4
FEB										
28...	1425	9	9827	9827	--	7.6	4.0	8.0	60	10.4
APR										
03...	1435	9	9827	9827	--	7.6	12.0	22.0	35	9.8
MAY										
01...	1435	9	9827	9827	--	7.5	23.0	17.0	20	8.1
29...	1425	9	9827	9827	--	7.5	20.0	20.0	30	6.5
JUL										
10...	1025	9	9827	9827	--	8.0	32.0	28.0	30	7.4
AUG										
07...	1550	9	9827	9827	--	8.1	25.0	25.0	30	8.4
SEP										
04...	1430	9	9827	9827	--	8.2	25.0	26.0	35	8.3

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1983										
04...	1445	3.9	8	6.0	7.0	185	.25	34	.01	.010
NOV										
01...	1440	4.8	<4	5.0	7.5	175	.24	15	--	--
29...	1440	--	50	--	--	--	--	--	--	--
JAN, 1984										
03...	1455	2.3	24	7.0	5.5	154	.21	20	.31	.040
31...	1425	2.3	8	10	7.0	134	.18	42	.47	--
FEB										
28...	1425	4.9	40	7.0	5.5	164	.22	58	.29	.070
APR										
03...	1435	2.5	80	7.0	2.5	126	.17	28	.19	.040
MAY										
01...	1435	--	20	7.0	6.0	132	.18	18	.12	.030
29...	1425	3.9	150	7.0	4.5	153	.21	22	.21	.100
JUL										
10...	1025	4.3	16	8.0	8.5	177	.24	--	.01	<.010
AUG										
07...	1550	2.6	5	7.0	5.0	176	.24	60	.11	<.010
SEP										
04...	1430	1.7	--	7.0	7.0	155	.21	25	.22	--

07077820 WHITE RIVER AT ST. CHARLES, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1983										
04...	1445	--	.010	--	0	2	10	<1	--	0
NOV										
01...	1440	.030	<.010	<5	0	2	<10	--	<5	--
JAN, 1984										
03...	1455	--	.010	--	--	2	<10	--	--	0
31...	1425	.090	.030	<5	0	1	<10	2	<5	--
FEB										
28...	1425	.140	.080	--	0	2	<10	2	--	30
APR										
03...	1435	.090	--	<5	0	<1	10	--	<5	--
MAY										
01...	1435	.070	.020	--	0	<1	<10	--	--	0
29...	1425	.100	.050	--	0	2	<10	--	--	0
JUL										
10...	1025	--	.010	--	0	1	<10	2	--	--
AUG										
07...	1550	.070	.010	<5	0	1	<10	<1	<5	--
SEP										
04...	1430	.080	.030	--	--	3	<10	2	--	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
NOV, 1983									
29...	1440	.000	.000	.000	.000	.000	.00	.00	.0
MAY, 1984									
29...	1425	.000	.000	.000	.000	.000	.00	.00	.0

07077862 BOAT GUNWALE SLASH NEAR HOLLY GROVE, AR

LOCATION.--Lat 34°34'29" long 91°08'45", in SE 1/4 SE 1/4 sec.30, T.1 S., R.1 W., Monroe County, Hydrologic Unit 08020303, at bridge on State Highway 146, 3.6 mi southeast of Holly Grove, Ark.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983									
01...	1520	9	9827	9827	7.3	27.0	19.0	3.8	4.0
21...	1030	9	9827	9827	6.8	19.0	14.0	15	1.6
JAN, 1984									
24...	1350	9	9827	9827	6.3	5.0	2.0	65	10.6
FEB									
28...	1100	9	9827	9827	6.5	5.0	6.0	60	8.6
MAR									
27...	1440	9	9827	9827	6.7	20.0	17.0	25	6.3
APR									
17...	1030	9	9827	9827	6.8	18.0	17.0	20	7.5
MAY									
08...	1130	9	9827	9827	6.5	13.0	19.0	120	--
JUN									
19...	1210	9	9827	9827	7.3	29.0	28.0	25	3.6
AUG									
28...	1230	9	9827	9827	7.1	27.0	26.0	5.0	4.0
SEP									
25...	1205	9	9827	9827	7.2	24.0	24.0	6.0	2.8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	1520	5.0	28	<1.0	12	191	.26	4	.01
21...	1030	7.4	370	6.0	13	145	.20	10	.01
JAN, 1984									
24...	1350	2.9	890	4.0	5.0	94	.13	34	.31
FEB									
28...	1100	2.3	140	4.0	4.5	112	.15	--	.25
MAR									
27...	1440	1.7	72	3.0	4.0	72	.10	8	.05
APR									
17...	1030	2.2	35	1.0	2.0	74	.10	6	.02
MAY									
08...	1130	2.3	700	5.	2.5	145	.20	65	.14
JUN									
19...	1210	4.3	250	2.0	5.5	108	.15	28	.07
AUG									
28...	1230	1.5	140	6.0	7.5	147	.20	4	.08
SEP									
25...	1205	1.3	56	1.0	10	138	.19	5	.02

07077862 BOAT GUNWALE SLASH NEAR HOLLY GROVE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	1520	<.010	--	.010	0	7	<10	5	20
21...	1030	--	.400	.150	0	<1	<10	4	40
JAN, 1984									
24...	1350	.140	.180	.070	0	3	<10	9	30
FEB									
28...	1100	.260	.240	.160	0	3	17	22	--
MAR									
27...	1440	.080	.220	.170	0	<1	18	--	10
APR									
17...	1030	.020	.280	.190	0	<1	12	2	50
MAY									
08...	1130	--	.310	.250	0	--	16	10	--
JUN									
19...	1210	.380	--	.050	--	--	--	--	--
AUG									
28...	1230	.030	.110	.050	0	<1	17	6	80
SEP									
25...	1205	<.010	.120	.080	0	2	25	4	10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983									
21...	1030	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984									
24...	1350	.000	.000	.000	.000	.000	.00	.00	.0
APR									
17...	1030	.000	.000	.000	.000	.000	.00	.00	.0
AUG									
28...	1230	.000	.000	.000	.000	.000	.00	<.01	.0

07077950 BIG CREEK AT POPLAR GROVE, AR

LOCATION.--Lat 34°33'20", long 90°50"44", in sec.1, T.2 S., R.2 E., Phillips County, Hydrologic Unit 08020304, near right bank on downstream side of bridge on U.S. Highway 49, at Poplar Grove, 900 ft upstream from Crooked Creek, and 3.9 mi east of Marvel.

DRAINAGE AREA.--448 mi^2, includes that of Crooked Creek. Area at site used prior to September 30, 1972, 459 mi2.

PERIOD OF RECORD.--October 1970 to current year. Prior to September 30, 1972, published as "07077952 Big Creek near Poplar Grove." Gage-height record and results of discharge measurements since August 1954 at same site are contained in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 143.00 ft National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder 7.0 mi downstream at same datum. Prior to February 6, 1978, auxiliary water-stage recorder at site 8.7 downstream at same datum. October 1970 to September 1972, the downstream site was used as the base gage. The auxiliary gage was removed on December 28, 1981.

REMARKS.--Records good except those for periods of no gage-height record, Oct. 20 to Nov. 19, which are poor.

AVERAGE DISCHARGE.--14 years, 628 ft^3/s, 455,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,910 ft^3/s Apr. 23, 1973, gage height, 31.74 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1954, 31.74 ft Apr. 23, 1973, discharge, 5,910 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,280 ft^3/s May 8, gage height, 30.31 ft; minimum daily, 25 ft^3/s Oct. 10-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	45	899	1050	670	901	603	620	523	70	35	158
2	60	40	920	983	662	817	632	1160	453	67	30	167
3	50	40	2080	946	670	744	1270	2750	380	67	48	171
4	40	40	3110	911	678	710	1590	3060	301	65	174	174
5	40	45	3310	886	669	1210	1630	3270	213	65	108	176
6	40	40	3380	856	648	1590	1580	3380	138	65	87	169
7	30	40	3430	809	617	1740	1480	3590	165	60	181	161
8	30	40	3360	745	577	1820	1440	4220	206	60	188	153
9	30	40	3240	689	533	1840	1660	4090	163	60	174	145
10	25	35	3130	653	487	1840	1940	3990	123	60	276	146
11	25	35	3400	629	436	1880	2020	3910	89	60	551	167
12	25	40	3300	603	774	1950	1940	3820	73	55	582	184
13	25	40	3120	583	1340	2110	1780	3680	70	55	618	190
14	25	35	2980	565	1450	2010	1580	3510	70	55	692	196
15	25	35	2820	548	1470	1840	1380	3270	65	55	793	205
16	25	35	2660	528	1560	1680	1230	2990	60	55	882	222
17	30	35	2470	509	1630	1540	1110	2740	60	55	932	243
18	154	70	2250	494	1620	1410	1020	2500	55	66	939	258
19	84	130	2050	483	1590	1310	948	2250	50	101	923	271
20	70	235	1850	482	1520	1270	885	2020	50	85	877	294
21	60	174	1970	482	1430	1170	887	1830	50	69	814	328
22	65	77	2670	483	1330	1040	1330	1650	60	60	770	355
23	70	589	2700	518	1230	935	1370	1460	100	60	716	369
24	65	883	2500	928	1120	846	1280	1290	120	55	632	370
25	60	838	2200	974	1030	762	1140	1140	110	75	541	366
26	60	805	2000	884	966	674	1010	1000	100	140	437	366
27	60	812	1700	803	1090	596	904	888	96	213	332	366
28	55	912	1500	749	1110	851	806	801	96	312	233	362
29	50	923	1300	714	1010	900	705	739	99	150	174	352
30	50	909	1200	691	---	772	696	666	82	67	153	334
31	45	---	1100	678	---	667	---	594	---	45	152	---
TOTAL	1543	8017	74599	21856	29917	39425	37846	72878	4220	2527	14044	7418
MEAN	49.8	267	2406	705	1032	1272	1262	2351	141	81.5	453	247
MAX	154	923	3430	1050	1630	2110	2020	4220	523	312	939	370
MIN	25	35	899	482	436	596	603	594	50	45	30	145
AC-FT	3060	15900	148000	43350	59340	78200	75070	144600	8370	5010	27860	14710

CAL YR 1983 TOTAL 312260 MEAN 856 MAX 4790 MIN 15 AC-FT 619400
WTR YR 1984 TOTAL 314290 MEAN 859 MAX 4220 MIN 25 AC-FT 623400

07077980 PRAIRIE CYPRESS CREEK NEAR CROSS ROADS, AR

LOCATION.--Lat 34°26'00", long 91°03'11", in SW 1/4 NW 1/4 sec.18, T.3 S., R.1 E., Monroe County, Hydrologic Unit 08020303, at bridge on State Highway 1, 1.0 mi northeast of Cross Roads, Ark.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
NOV, 1983										
01...	1430	9	9827	9827	6.6	27.0	19.0	25	.0	7.6
21...	1115	9	9827	9827	6.6	19.0	14.0	30	8.5	--
JAN, 1984										
24...	1320	9	9827	9827	6.7	6.0	2.0	200	12.4	2.9
FEB										
28...	1140	9	9827	9827	6.8	4.0	6.0	80	10.8	1.7
MAR										
27...	1400	9	9827	9827	7.0	20.0	16.0	60	7.8	1.6
APR										
17...	1120	9	9827	9827	7.1	19.0	17.0	50	9.3	1.7
MAY										
08...	1045	9	9827	9827	6.6	13.0	18.0	160	--	2.9
JUN										
19...	1130	9	9827	9827	7.2	29.0	27.0	30	1.0	1.3
JUL										
31...	1145	9	9827	9827	7.0	26.0	24.0	9.0	5.1	.9
AUG										
28...	1200	9	9827	9827	7.4	28.0	27.0	7.0	4.7	.5
SEP										
25...	1135	9	9827	9827	7.4	23.0	24.0	3.0	2.8	1.2

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
NOV, 1983										
01...	1430	120	6.0	7.5	129	.18	32	.01	.060	--
21...	1115	220	7.0	7.0	127	.17	34	.02	--	.880
JAN, 1984										
24...	1320	80	8.0	7.0	163	.22	94	.47	.320	.400
FEB										
28...	1140	80	6.0	9.0	158	.21	--	.40	.350	.250
MAR										
27...	1400	60	5.0	6.0	128	.17	16	.06	.120	.210
APR										
17...	1120	40	3.0	3.0	123	.17	10	.04	.060	.240
MAY										
08...	1045	440	6.0	3.0	157	.21	88	.22	--	.380
JUN										
19...	1130	40	4.0	12	132	.18	20	.16	.190	--
JUL										
31...	1145	280	27	17	172	.23	10	.09	.030	.100
AUG										
28...	1200	280	7.0	22	190	.26	8	.12	<.010	.100
SEP										
25...	1135	64	2.0	40	255	.35	35	.01	<.010	.070

07077980 PRAIRIE CYPRESS CREEK NEAR CROSS ROADS, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	1430	.260	<5	0	3	15	14	<5	30
21...	1115	.500	--	0	2	<10	9	--	30
JAN, 1984									
24...	1320	.170	--	0	6	<10	10	--	50
FEB									
28...	1140	.160	<5	0	3	16	11	<5	--
MAR									
27...	1400	.180	--	0	<1	31	--	--	40
APR									
17...	1120	.170	<5	0	2	27	9	<5	60
MAY									
08...	1045	.260	--	0	<1	--	10	--	--
JUN									
19...	1130	.110	--	0	<1	20	16	--	60
JUL									
31...	1145	.030	<5	0	<1	10	5	<5	--
AUG									
28...	1200	.070	--	0	<1	13	4	--	30
SEP									
25...	1135	.050	--	0	<1	21	8	--	20

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983									
21...	1115	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984									
24...	1320	.000	.000	.000	.000	.000	.00	.00	.0
APR									
17...	1120	.000	.000	.000	.000	.000	.00	.00	.0
AUG									
28...	1200	.000	.000	.000	.000	.000	.00	<.01	.0

07188813 LITTLE SUGAR CREEK TRIBUTARY NEAR BENTONVILLE, AR

LOCATION.--Lat 36°24'26", long 94°12'46", in NW 1/4 SE 1/4, sec.18, T.20 N., R.30 W., Benton County, Hydrologic Unit 11070208, on unimproved road off U.S. Highway 71, 0.4 mi north of Bentonville city limits, and 2.0 mi downstream from Bella Vista Lake.

PERIOD OF RECORD.--November 1983 to September 1984

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983 15...	1330	9	9827	9827	7.4	10.0	17.0	8.0	5.8
DEC 06...	1010	9	9827	9827	7.5	2.0	3.0	6.0	7.8
JAN, 1984 10...	1319	9	9827	9827	7.5	-1.0	5.0	15	8.6
FEB 07...	0918	9	9827	9827	7.4	1.0	3.0	5.0	--
MAR 06...	--	9	9827	9827	7.3	-6.0	5.0	6.0	9.3
APR 17...	0747	9	9827	9827	7.5	6.0	10.0	3.0	8.5
MAY 08...	1200	9	9827	9827	7.3	16.0	14.0	5.8	6.8
JUN 12...	0825	9	9827	9827	7.6	22.0	18.0	2.6	2.5
JUL 24...	0626	9	9827	9827	7.4	17.0	21.0	5.4	1.0
AUG 21...	1054	9	9827	9827	7.4	27.0	23.0	6.0	1.4
SEP 18...	0927	9	9827	9827	7.5	17.0	16.0	6.0	2.9

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983 15...	1330	4.7	--	35	40	333	.45	15	4.4
DEC 06...	1010	--	>600	22	21	267	.36	10	4.2
JAN, 1984 10...	1319	--	>600	35	38	316	.43	29	2.6
FEB 07...	0918	11	>600	42	39	310	.42	10	1.7
MAR 06...	--	10	>600	18	15	220	.30	12	4.0
APR 17...	0747	4.4	>600	16	14	230	.31	6	3.7
MAY 08...	1200	5.6	1800	15	12	204	.28	11	2.9
JUN 12...	0825	5.6	1200	24	24	269	.37	2	2.3
JUL 24...	0626	7.9	>600	31	33	281	.38	10	.21
AUG 21...	1054	--	2100	26	40	328	.45	10	.43
SEP 18...	0927	--	3600	33	38	322	.44	12	2.5

07188813 LITTLE SUGAR CREEK TRIBUTARY NEAR BENTONVILLE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
15...	1330	--	7.70	--	0	8	<10	2	20
DEC									
06...	1010	4.00	2.30	1.20	0	2	<10	11	30
JAN, 1984									
10...	1319	8.60	6.40	4.05	0	3	18	--	30
FEB									
07...	0918	--	5.30	4.70	3	1	18	11	60
MAR									
06...	--	--	1.80	1.40	10	<1	22	--	160
APR									
17...	0747	1.95	1.66	1.45	2	2	20	41	40
MAY									
08...	1200	.760	.840	.780	0	<1	--	--	--
JUN									
12...	0825	4.35	--	1.95	1	<1	16	9	40
JUL									
24...	0626	9.80	8.70	8.90	2	3	<10	14	40
AUG									
21...	1054	15.2	11.8	10.2	1	3	11	9	20
SEP									
18...	0927	10.3	6.60	6.00	1	3	12	12	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
24...	0626	.000	.000	.000	.000	.000	.00	<.01	.0

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, AR

LOCATION.--Lat 36°30'44", long 94°28'54", in NW 1/4 NW 1/4 sec.35, T.21 N., R.33 W., McDonald County, Mo., Hydrologic Unit 11070208, at bridge on county road about 500 ft west of State Highway 59, 0.9 mi north of State line along Highway 59, 2.0 mi northwest of Sulphur Springs.

DRAINAGE AREA.--34.9 mi^2, at State line.

PERIOD OF RECORD.--October 1968 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT, 1983										
11...	1315	9	9827	9827	3.0	7.9	22.0	18.5	1.0	9.1
NOV										
15...	1230	9	9827	9827	4.6	7.9	12.0	11.0	.80	11.3
DEC										
06...	1100	9	9827	9827	8.2	8.0	9.0	7.0	2.0	11.1
JAN, 1984										
10...	1232	9	9827	9827	8.6	8.0	.0	4.0	1.0	14.4
FEB										
07...	1002	9	9827	9827	4.5	7.9	7.0	3.0	2.0	--
MAR										
06...	0746	9	9827	9827	54	7.7	-2.0	6.0	2.8	11.3
APR										
17...	0831	9	9827	9827	35	8.0	10.0	10.0	1.5	11.3
MAY										
08...	1243	9	9827	9827	31	7.9	15.0	16.0	1.5	11.5
JUN										
12...	0910	9	9827	9827	15	7.9	24.0	21.0	2.0	7.5
JUL										
24...	0716	9	9827	9827	7.4	7.8	18.0	22.0	1.9	6.3
AUG										
21...	1007	9	9827	9827	3.3	7.8	26.0	24.0	1.5	6.3
SEP										
18...	1015	9	9827	9827	2.6	7.9	20.0	18.0	3.0	7.7

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
11...	1315	1.2	920	6.0	13	185	.25	2	.68
NOV									
15...	1230	.6	24	8.0	13	207	.28	<1	1.0
DEC									
06...	1100	1.0	8	15	11	227	.31	2	1.9
JAN, 1984									
10...	1232	.7	8	17	9.0	215	.29	2	1.7
FEB									
07...	1002	1.3	4	19	11	216	.29	5	1.4
MAR									
06...	0746	1.7	64	12	5.5	179	.24	6	2.0
APR									
17...	0831	.5	10	10	4.0	169	.23	2	1.6
MAY									
08...	1243	.5	60	10	6.0	172	.23	2	1.3
JUN									
12...	0910	.4	190	14	6.5	--	--	9	.96
JUL									
24...	0716	.9	250	9.0	8.5	154	.21	4	.62
AUG									
21...	1007	.6	110	5.0	8.0	187	.25	1	.62
SEP									
18...	1015	.6	4	7.0	12	200	.27	4	.61

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
11...	1315	.010	.030	.020	0	1	12	3	30
NOV									
15...	1230	--	.020	--	0	1	<10	3	20
DEC									
06...	1100	<.010	.020	.020	0	2	<10	9	10
14...	1130	--	--	--	--	--	--	--	0
JAN, 1984									
10...	1232	<.010	.040	.020	0	2	14	--	30
FEB									
07...	1002	.060	.030	.040	2	1	<10	11	30
MAR									
06...	0746	--	.050	<.010	9	<1	29	--	60
APR									
17...	0831	.030	.030	.020	2	2	21	11	20
MAY									
08...	1243	.010	.060	<.010	--	<1	--	--	0
JUN									
12...	0910	.070	--	.030	1	<1	16	12	30
JUL									
24...	0716	.020	.050	.050	1	<1	<10	8	350
AUG									
21...	1007	.010	.030	.030	1	2	<10	7	200
SEP									
18...	1015	.080	.060	.060	1	3	23	12	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
24...	0716	.000	.000	.000	.000	.000	.00	<.01	.0

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, AR

LOCATION.--Lat 36°20'31", long 94°35'15", in SW 1/4 NE 1/4 sec.10, T.19 N., R.34 W., Benton County, Hydrologic Unit 11070209, at bridge on State Highway 99, 3.0 mi north of Cherokee City.

DRAINAGE AREA.--104 mi^2, at State line.

PERIOD OF RECORD.--October 1968 to January 1972, October 1978 to current year.

REMARKS.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1983 11...	1230	9	9827	9827	11	7.9	23.0	19.0	1.2	9.8	7
NOV 15...	1150	9	9827	9827	24	7.9	14.0	13.0	.90	10.5	3
DEC 06...	1140	9	9827	9827	38	7.9	7.0	10.0	1.0	12.5	1
JAN, 1984 10...	1154	9	9827	9827	28	7.9	4.0	7.0	1.0	12.6	4
FEB 07...	1043	9	9827	9827	22	7.9	12.0	6.0	1.0	--	3
MAR 06...	0837	9	9827	9827	310	7.5	2.0	8.0	3.0	10.7	5
APR 17...	0909	9	9827	9827	176	7.8	16.0	12.0	2.0	10,9	<1
MAY 08...	1327	9	9827	9827	162	7.8	17.0	16.0	2.4	11.4	7
JUN 12...	0954	9	9827	9827	62	7.8	28.0	18.0	1.8	9.3	4
JUL 24...	0814	9	9827	9827	21	7.7	22.0	20.0	1.8	6.7	--
AUG 21...	0927	9	9827	9827	18	7.8	24.0	21.0	1.5	7.7	4
SEP 18...	1100	9	9827	9827	14	7.9	21.0	18.0	2.0	8.0	5

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1983 11...	1230	1.4	12	3.0	15	181	.25	2	1.3	.020
NOV 15...	1150	.9	12	1.0	15	191	.26	1	1.5	--
DEC 06...	1140	.7	12	7.0	15	182	.25	1	1.7	<.010
JAN, 1984 10...	1154	.5	<4	8.0	16	185	.25	1	2.0	<.010
FEB 07...	1043	1.3	<4	6.0	15	191	.26	4	2.6	<.010
MAR 06...	0837	1.1	240	6.0	8.5	151	.21	4	3.8	--
APR 17...	0909	.3	<10	5.0	7.0	151	.21	4	3.3	.050
MAY 08...	1327	1.1	1500	9.0	8.5	148	.20	2	2.5	.030
JUN 12...	0954	.9	64	7.0	11	170	.23	12	2.0	.030
JUL 24...	0814	.9	20	8.0	11	186	.25	5	2.0	.010
AUG 21...	0927	1.3	28	5.0	12	187	.25	2	1.9	.020
SEP 18...	1100	.5	28	5.0	13	204	.28	4	2.0	.050

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1983										
11...	1230	<.10	--	--	.000	.080	0	5	<10	3
NOV										
15...	1150	--	--	--	.100	--	0	2	<10	6
DEC										
06...	1140	.40	2.1	9.3	.100	.090	0	1	<10	9
JAN, 1984										
10...	1154	2.3	4.3	19	.140	.100	0	2	11	--
FEB										
07...	1043	.50	3.1	14	.080	.090	2	<1	<10	8
MAR										
06...	0837	.90	4.7	21	.090	.030	3	<1	<10	--
APR										
17...	0909	--	--	--	.060	.050	1	<1	<10	20
MAY										
08...	1327	<.10	--	--	.090	.040	--	<1	--	5
JUN										
12...	0954	<.10	--	--	--	.040	0	<1	12	6
JUL										
24...	0814	--	--	--	.090	.090	0	<1	<10	10
AUG										
21...	0927	--	--	--	.080	.090	0	2	<10	3
SEP										
18...	1100	--	--	--	.110	.100	0	2	10	5

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
OCT, 1983										
11...	1230	30	--	--	--	--	--	--	--	--
NOV										
15...	1150	10	--	--	--	--	--	--	--	--
DEC										
06...	1140	20	--	--	--	--	--	--	--	--
JAN, 1984										
10...	1154	30	--	--	--	--	--	--	--	--
FEB										
07...	1043	20	--	--	--	--	--	--	--	--
MAR										
06...	0837	20	--	--	--	--	--	--	--	--
APR										
17...	0909	30	--	--	--	--	--	--	--	--
JUN										
12...	0954	10	--	--	--	--	--	--	--	--
JUL										
24...	0814	600	--	--	--	--	--	--	--	--
AUG										
21...	0927	50	.000	.000	.000	.000	.000	.00	<.01	.0

07194800 ILLINOIS RIVER AT SAVOY, AR

LOCATION.--Lat 36°06'11", long 94°20'39", in NW 1/4 SE 1/4 sec.36, T.17 N., R.32 W., Washington County, Hydrologic Unit 11110103, on left bank at downstream side of bridge on State Highway 16 at Savoy.

DRAINAGE AREA.--167 mi^2.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
11...	0830	9	9827	9827	4.2	7.6	17.0	17.0	3.2	5.8
NOV										
15...	0820	9	9827	9827	9.0	7.7	12.0	9.0	2.0	8.4
DEC										
06...	0926	9	9827	9827	49	7.6	2.0	6.0	4.0	10.1
JAN, 1984										
10...	0918	9	9827	9827	24	7.6	-3.0	1.0	2.0	12.1
FEB										
07...	1221	9	9827	9827	15	7.9	15.0	4.0	3.0	--
MAR										
06...	1014	9	9827	9827	311	7.3	4.0	7.0	25	11.6
APR										
17...	1047	9	9827	9827	165	7.7	14.0	12.0	6.0	10.5
MAY										
08...	1510	9	9827	9827	605	7.2	18.0	17.0	35	8.9
JUN										
12...	1147	9	9827	9827	71	7.8	26.0	24.0	7.0	7.8
JUL										
24...	0948	9	9827	9827	30	7.7	26.0	24.0	4.8	7.2
AUG										
21...	0747	9	9827	9827	34	7.5	23.0	25.0	4.5	4.6
SEP										
18...	1231	9	9827	9827	22	8.0	25.0	19.0	5.0	9.6

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
11...	0830	1.7	240	<1.0	13	170	.23	4	.25
NOV									
15...	0820	.9	--	<1.0	14	198	.27	1	.66
DEC									
06...	0926	2.3	110	12	14	200	.27	4	4.4
JAN, 1984									
10...	0918	1.4	20	18	13	174	.24	4	2.0
FEB									
07...	1221	2.0	4	23	13	181	.25	4	1.5
MAR									
06...	1014	2.1	360	12	6.5	118	.16	27	2.6
APR									
17...	1047	.9	40	11	7.5	151	.21	9	2.9
MAY									
08...	1510	2.3	5700	10	5.5	107	.15	42	1.3
JUN									
12...	1147	1.5	170	11	11	183	.25	8	1.9
JUL									
24...	0948	2.1	160	8.0	11	170	.23	10	.74
AUG									
21...	0747	1.2	68	4.0	10	173	.24	8	.62
SEP									
18...	1231	3.7	110	4.0	17	182	.25	8	.38

07194800 ILLINOIS RIVER AT SAVOY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
11...	0830	.040	.040	.010	0	<1	<10	<1	0
NOV									
15...	0820	--	.040	--	0	<1	<10	1	0
DEC									
06...	0926	.040	.980	.860	0	2	<10	12	30
JAN, 1984									
10...	0918	.430	.260	.090	0	<1	10	--	40
FEB									
07...	1221	.050	.100	.070	2	<1	13	6	30
MAR									
06...	1014	--	.140	.060	2	<1	17	--	30
APR									
17...	1047	.060	.080	.040	2	1	14	15	20
MAY									
08...	1510	.100	.160	.100	2	2	--	--	--
JUN									
12...	1147	.040	--	.020	1	<1	11	8	10
JUL									
24...	0948	.070	.070	.030	1	<1	<10	8	10
AUG									
21...	0747	.070	.070	.040	2	<1	<10	9	30
SEP									
18...	1231	.050	.070	.040	0	1	16	7	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
SEP, 1984									
18...	1231	.000	.000	.000	.000	.000	.00	<.01	.0

07195000 OSAGE CREEK NEAR ELM SPRINGS, AR

LOCATION.--Lat 36°13'19", long 94°17'18", in SW 1/4 NE 1/4 sec.21, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, on left bank 0.7 mi downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs.

DRAINAGE AREA.--130 mi^2.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT, 1983										
11...	0730	9	9827	9827	7.7	13.0	17.0	6.0	6.8	1.8
NOV										
15...	1430	9	9827	9827	7.9	11.0	11.0	2.0	11.0	2.1
DEC										
06...	1450	9	9827	9827	7.7	4.0	7.0	2.0	10.9	.9
JAN, 1984										
10...	0724	9	9827	9827	7.5	-3.0	4.0	3.0	9.0	3.4
FEB										
07...	0828	9	9827	9827	7.6	-2.0	3.0	3.0	--	4.2
MAR										
06...	1350	9	9827	9827	7.5	10.0	10.0	15	10.5	3.8
APR										
17...	0705	9	9827	9827	7.7	10.0	10.0	4.0	9.0	1.7
MAY										
08...	1052	9	9827	9827	7.3	21.0	14.0	25	8.4	3.4
JUN										
12...	0745	9	9827	9827	7.5	26.0	20.0	6.5	6.9	3.0
JUL										
24...	0537	9	9827	9827	7.6	18.0	21.0	5.8	5.4	2.8
AUG										
21...	1131	9	9827	9827	7.7	29.0	24.0	5.0	6.8	2.1
SEP										
18...	0841	9	9827	9827	7.8	15.0	16.0	20	6.5	3.2

DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1983									
11...	0730	400	12	18	228	.31	12	6.0	.010
NOV									
15...	1430	--	11	19	235	.32	3	4.5	--
DEC									
06...	1450	180	22	11	182	.25	6	1.7	.240
JAN, 1984									
10...	0724	20	19	19	229	.31	6	2.5	1.65
FEB									
07...	0828	36	24	25	241	.33	5	4.5	1.05
MAR									
06...	1350	210	9.0	10	164	.22	21	5.1	--
APR									
17...	0705	95	6.0	9.5	178	.24	12	5.4	.130
MAY									
08...	1052	9500	10	8.0	165	.22	21	3.7	.170
JUN									
12...	0745	470	14	16	208	.28	12	5.1	.010
JUL									
24...	0537	580	17	17	210	.29	18	6.0	.220
AUG									
21...	1131	620	28	18	230	.31	13	2.9	.080
SEP									
18...	0841	420	17	22	251	.34	18	6.1	.160

07195000 OSAGE CREEK NEAR ELM SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1983									
11...	0730	1.75	1.50	--	0	<1	<10	2	30
NOV									
15...	1430	1.66	--	--	0	11	<10	3	20
DEC									
06...	1450	.160	.070	--	0	2	10	5	20
JAN, 1984									
10...	0724	2.00	1.50	0	0	1	17	--	100
FEB									
07...	0828	1.48	1.00	--	4	1	30	28	70
MAR									
06...	1350	.460	.350	--	1	<1	<10	--	50
APR									
17...	0705	.470	.390	--	4	3	19	35	80
MAY									
08...	1052	.390	.350	--	0	1	--	--	--
JUN									
12...	0745	--	--	--	1	<1	22	5	40
JUL									
24...	0537	7.50	1.30	--	2	<1	15	9	40
AUG									
21...	1131	1.70	1.70	--	0	<1	<10	5	10
SEP									
18...	0841	2.05	1.85	--	1	2	10	18	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
JUL, 1984									
24...	0537	.000	.000	.000	.000	.000	.00	<.01	.0

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, AR

LOCATION.--Lat 36°08'41", long 94°29'41", in SW 1/4 SW 1/4 sec.15, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, on right bank at downstream side of bridge on State Highway 16, 8.2 mi downstream from Osage Creek, and 4.6 mi southeast of Siloam Springs.

DRAINAGE AREA.--509 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT, 1983										
11...	1035	9	9827	9827	76	7.7	25.0	19.0	7.0	8.2
NOV										
15...	1020	9	9827	9827	98	7.8	13.0	10.0	2.8	10.2
DEC										
06...	1426	9	9827	9827	255	7.7	5.0	8.0	4.0	10.9
JAN, 1984										
10...	1047	9	9827	9827	130	7.8	-2.0	4.0	1.0	12.8
FEB										
07...	1154	9	9827	9827	--	8.0	15.0	5.0	2.0	--
MAR										
06...	0947	9	9827	9827	1350	7.3	3.0	8.0	30	10.1
APR										
17...	1020	9	9827	9827	340	7.7	14.0	12.0	6.0	9.7
MAY										
08...	1444	9	9827	9827	1850	7.2	19.0	17.0	40	8.0
JUN										
12...	1117	9	9827	9827	225	7.8	27.0	24.0	5.0	7.7
JUL										
24...	0925	9	9827	9827	100	7.7	24.0	23.0	6.5	7.1
AUG										
21...	0814	9	9827	9827	88	7.7	24.0	25.0	6.5	5.8
SEP										
18...	1211	9	9827	9827	77	8.0	23.0	19.0	5.0	9.0

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
11...	1035	1.4	220	7.0	17	186	.25	10	2.1
NOV									
15...	1020	1.0	--	8.0	16	194	.26	4	2.1
DEC									
06...	1426	1.1	52	14	12	184	.25	4	2.3
JAN, 1984									
10...	1047	1.1	4	13	16	180	.24	2	1.8
FEB									
07...	1154	2.0	4	14	19	194	.26	6	2.5
MAR									
06...	0947	2.4	480	10	8.0	142	.19	36	3.4
APR									
17...	1020	1.2	30	8.0	7.5	157	.21	12	3.7
MAY									
08...	1444	2.8	10000	9.0	6.0	126	.17	50	1.6
JUN									
12...	1117	.6	84	10	12	173	.24	7	2.4
JUL									
24...	0925	1.2	76	15	13	178	.24	16	2.4
AUG									
21...	0814	.9	110	11	14	181	.25	13	2.6
SEP									
18...	1211	1.6	40	10	16	201	.27	11	2.2

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
11...	1035	.020	.540	.500	0	2	16	3	30
NOV									
15...	1020	--	.450	--	0	<1	11	3	10
DEC									
06...	1426	.040	.300	.250	0	1	<10	4	20
JAN, 1984									
10...	1047	.460	.520	.340	0	<1	<10	--	40
FEB									
07...	1154	.030	.420	.410	3	<1	17	9	50
MAR									
06...	0947	--	.240	.120	2	<1	11	--	20
APR									
17...	1020	.060	.170	.140	1	1	13	17	20
MAY									
08...	1444	.120	.240	.150	2	2	--	--	--
JUN									
12...	1117	.010	--	.260	0	<1	17	11	20
JUL									
24...	0925	.050	.520	.490	0	<1	<10	9	60
AUG									
21...	0814	.020	.570	.550	1	<1	<10	7	10
SEP									
18...	1211	.050	.690	.610	0	2	15	11	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
21...	0814	.000	.000	.000	.000	.000	.00	<.01	.0

07195800 FLINT CREEK AT SPRINGTOWN, AR

LOCATION.--Lat 36°15'20", long 94°25'50", in NW 1/4 sec.7, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, on right bank 20 ft downstream from State Highway 12, 0.8 mi southwest of Springtown.

DRAINAGE AREA.--14.2 mi^2.

PERIOD OF RECORD.--June 1961 to current year.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,173.47 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for periods of no gage-height record, Jan. 18 to Feb. 22, which are fair.

AVERAGE DISCHARGE.--23 years, 12.9 ft^3/s, 12.34 in/yr, 9,350 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft^3/s June 8, 1974, gage height, 17.51 ft, from floodmarks, from rating curve extended above 260 ft^3/s on basis of contracted-opening, and flow-over-road measurement of peak flow; no flow for part of July 9, 29, 30, Aug. 7, 1964, Sept. 16, 1980, result of pumpage for irrigation upstream from gage.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 277 ft^3/s Mar. 19, at 0130 hours, gage height, 5.70 ft, no other peak above base of 260 ft^3/s; minimum, 1.7 ft^3/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	4.8	7.4	4.5	3.5	18	31	8.6	13	7.6	3.7	2.6
2	1.9	5.3	8.0	5.0	3.0	18	44	8.8	12	7.4	3.4	2.5
3	1.9	5.3	8.1	5.8	3.0	13	54	9.2	10	7.3	3.6	3.5
4	14	9.3	8.0	7.2	3.5	27	44	8.3	9.8	7.2	3.4	3.1
5	2.6	6.6	7.6	7.7	3.5	25	39	9.0	9.2	7.1	3.0	3.0
6	2.4	5.9	7.0	7.3	3.5	21	34	8.8	9.2	7.0	3.3	2.7
7	2.6	5.6	6.6	6.7	3.5	17	31	25	9.1	7.4	3.1	2.9
8	2.8	5.4	6.4	6.2	4.0	13	40	18	8.0	7.4	4.4	2.8
9	2.8	6.9	6.0	6.0	4.0	11	43	16	7.5	6.7	7.2	3.9
10	3.1	7.4	5.8	6.2	4.0	9.9	36	15	7.1	6.4	5.5	3.8
11	4.0	6.5	5.9	5.6	4.0	8.7	31	15	6.7	6.4	5.1	3.3
12	5.9	6.2	5.6	5.6	3.5	8.8	30	20	6.5	6.1	3.9	3.2
13	4.7	6.0	5.6	5.5	3.5	7.6	25	15	6.3	5.7	3.3	3.1
14	4.5	5.6	5.7	5.3	4.0	6.6	23	20	6.2	5.4	3.1	3.1
15	4.0	5.4	5.3	5.2	5.0	6.4	21	19	6.0	5.0	3.0	3.4
16	3.9	5.4	5.1	5.2	4.0	6.1	19	16	5.8	5.1	3.1	3.1
17	5.9	5.4	5.0	5.0	3.5	8.6	17	14	5.7	5.1	3.0	2.9
18	5.3	5.5	4.9	4.9	3.5	25	15	12	5.6	4.7	3.0	3.0
19	7.1	11	4.5	4.5	3.5	117	14	13	5.5	4.5	3.2	3.1
20	15	9.0	4.9	4.0	3.5	48	15	14	6.3	4.6	2.8	3.4
21	6.0	7.6	4.9	4.0	3.5	34	17	11	8.5	4.4	2.7	3.2
22	4.5	7.4	4.6	3.5	3.4	26	14	11	7.0	4.1	3.4	11
23	3.6	10	4.6	3.5	3.3	26	13	9.8	6.6	4.8	3.7	6.0
24	4.0	8.9	4.5	3.5	3.3	33	12	9.1	6.2	4.7	3.3	3.3
25	4.4	8.1	4.5	3.0	4.2	27	11	8.8	5.8	4.8	3.1	17
26	4.3	7.6	4.5	3.0	13	23	11	9.4	5.5	5.1	3.1	7.5
27	4.8	15	4.5	3.5	21	22	11	21	7.2	5.2	3.0	4.6
28	4.9	12	4.5	3.5	19	73	9.7	22	7.6	4.9	3.6	3.9
29	5.2	8.3	4.5	3.0	18	56	9.5	19	7.8	4.6	3.2	3.4
30	5.1	7.4	4.5	3.0	---	41	9.1	17	8.0	4.4	2.9	3.2
31	4.8	---	4.5	3.5	---	35	---	14	---	3.9	2.8	---
TOTAL	148.4	220.8	173.5	150.4	162.2	811.7	723.3	436.8	225.7	175.0	108.9	125.5
MEAN	4.79	7.36	5.60	4.85	5.59	26.2	24.1	14.1	7.52	5.65	3.51	4.18
MAX	15	15	8.1	7.7	21	117	54	25	13	7.6	7.2	17
MIN	1.9	4.8	4.5	3.0	3.0	6.1	9.1	8.3	5.5	3.9	2.7	2.5
CFSM	.34	.52	.39	.34	.39	1.85	1.70	.99	.53	.40	.25	.29
IN.	.39	.58	.45	.39	.42	2.13	1.89	1.14	.59	.46	.29	.33
AC-FT	294	438	344	298	322	1610	1430	866	448	347	216	249

CAL YR 1983 TOTAL 2590.4 MEAN 7.10 MAX 46 MIN 1.9 CFSM .50 IN. 6.79 AC-FT 5140
WTR YR 1984 TOTAL 3462.2 MEAN 9.46 MAX 117 MIN 1.9 CFSM .67 IN. 9.07 AC-FT 6870

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OK

LOCATION.--Lat 36°12'58", long 94°36'15", in NE 1/4 NE 1/4 sec.14, T.20 N., R.25 E., Delaware County, Hydrologic Unit 11110103, on left bank 180 ft downstream from county bridge, 2.5 mi from Arkansas-Oklahoma State line, northwest of West Siloam Springs, Okla.

DRAINAGE AREA.--59.8 mi^2.

PERIOD OF RECORD.--June 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow is partially regulated by Lake Siloam Spring, 4.5 mi upstream, and sewage discharge into Flint Creek from city of Gentry.

AVERAGE DISCHARGE.--5 years, 21.1 ft^3/s, 15,290 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 775 ft^3/s Jan. 30, 1982, gage height, 7.85 ft; minimum daily, 0.40 ft^3/s Aug. 7, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 309 ft^3/s Mar. 19, gage height, 5.88 ft; minimum daily, 3.2 ft^3/s Oct. 1-3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	5.0	15	12	4.2	33	108	32	44	13	7.7	7.1
2	3.2	5.2	14	12	4.2	32	120	30	40	13	7.7	7.1
3	3.2	5.9	15	12	4.2	30	179	29	36	13	8.0	7.6
4	9.6	4.8	16	14	4.3	64	142	28	33	13	8.0	7.7
5	6.1	5.2	16	10	4.5	82	118	29	30	12	7.8	7.6
6	7.2	7.2	16	8.3	4.5	65	101	28	29	11	7.8	6.8
7	5.4	7.8	18	7.7	4.5	52	92	41	28	11	8.1	6.6
8	4.2	8.2	18	8.2	4.9	44	122	50	25	11	8.0	6.5
9	4.2	7.1	15	9.4	4.9	38	160	45	24	11	11	11
10	4.0	7.8	14	11	4.9	33	133	40	22	11	12	9.8
11	4.5	7.2	14	10	4.9	30	114	38	20	12	9.2	7.3
12	6.4	6.9	14	7.8	4.7	29	103	41	19	11	7.9	7.0
13	5.0	6.9	13	6.4	4.7	28	91	32	18	11	7.4	6.8
14	4.3	6.3	14	5.7	4.7	24	81	35	17	11	7.9	6.8
15	4.2	5.4	13	5.5	5.0	22	75	34	16	10	7.5	6.8
16	4.0	5.5	12	5.5	4.3	21	68	38	15	9.7	6.8	6.8
17	4.5	5.6	12	5.0	4.0	29	63	35	15	11	6.8	7.1
18	5.2	4.8	12	4.8	4.0	40	59	31	14	12	6.5	7.6
19	6.0	5.4	12	4.0	4.0	267	53	28	15	12	6.3	7.3
20	26	7.9	7.8	3.8	3.9	178	52	31	21	12	6.3	7.0
21	24	8.4	6.4	3.6	3.8	128	58	29	26	11	6.3	7.1
22	16	7.1	6.2	3.6	3.8	102	52	28	25	11	7.5	7.4
23	12	7.2	5.9	3.6	3.8	93	50	24	20	12	7.7	7.7
24	9.8	7.6	5.3	3.5	3.8	126	48	22	17	12	6.7	7.7
25	7.5	7.7	8.8	3.9	3.8	114	45	21	15	11	6.9	18
26	7.1	7.2	12	4.2	13	99	44	22	14	12	7.3	17
27	7.4	13	12	4.2	45	87	41	42	14	14	7.5	15
28	7.4	18	14	4.2	45	196	36	97	14	13	8.0	11
29	7.2	20	13	4.2	37	219	35	66	13	12	7.9	9.2
30	6.5	16	12	4.2	---	154	34	56	13	8.3	7.6	9.0
31	5.5	---	12	4.2	---	127	---	49	---	7.8	7.2	---
TOTAL	230.8	238.3	388.4	206.5	248.3	2586	2477	1151	652	354.8	239.3	257.4
MEAN	7.45	7.94	12.5	6.66	8.56	83.4	82.6	37.1	21.7	11.4	7.72	8.58
MAX	26	20	18	14	45	267	179	97	44	14	12	18
MIN	3.2	4.8	5.3	3.5	3.8	21	34	21	13	7.8	6.3	6.5
AC-FT	458	473	770	410	493	5130	4910	2280	1290	704	475	511

CAL YR 1984 TOTAL	6951.4	MEAN	19.0	MAX	124	MIN	3.2	AC-FT 13790
WTR YR 1984 TOTAL	9029.8	MEAN	24.7	MAX	267	MIN	3.2	AC-FT 17910

07196900 BARON FORK AT DUTCH MILLS, AR

LOCATION.--Lat 35°52'48", long 94°29'11", on line between secs.21 and 22, T.14 N., R.33 W., Washington County, Hydrologic Unit 11110103, near right bank on downstream side of bridge on State Highway 59 at Dutch Mills, 2.2 mi downstream from Fly Creek, and 2.9 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--46.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1958 to current year. Prior to October 1969, published as "Barren Fork at Dutch Mills."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 986.47 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for periods of no gage-height record, Dec. 19 to Jan. 25, which are fair.

AVERAGE DISCHARGE.--26 years, 36.9 ft^3/s, 10.89 in/yr, 26,730 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,100 ft^3/s July 13, 1972, gage height, 13.74 ft, from rating curve extended above 2,900 ft^3/s on basis of contracted-opening measurement at 12,900 ft^3/s; no flow at times in 1963, 1967, 1980, and 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,630 ft^3/s Mar. 19, at 0030 hours, gage height, 7.55 ft, no other peak above base of 2,000 ft^3/s; minimum, 0.16 ft^3/s Oct. 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.21	1.9	10	5.0	5.8	61	96	24	25	2.4	1.4	1.5
2	.21	2.9	17	5.0	6.1	58	158	23	22	2.3	1.3	1.4
3	.18	3.5	25	5.0	6.5	47	157	29	19	2.2	1.2	1.5
4	.19	5.9	28	6.0	6.3	199	104	159	18	2.6	2.6	1.4
5	.22	7.0	22	6.0	5.9	115	86	114	16	2.9	3.5	1.3
6	.22	18	17	6.0	5.2	70	73	67	26	2.4	4.5	1.3
7	.25	32	14	6.0	5.2	54	66	49	19	2.2	3.5	1.3
8	.25	45	12	7.0	5.3	43	560	41	15	2.2	3.5	1.2
9	.26	50	10	7.0	6.0	35	226	32	14	2.1	47	1.6
10	.25	52	10	11	6.3	29	134	27	12	1.8	24	1.9
11	.29	53	15	8.0	32	23	102	25	10	1.5	11	1.7
12	.41	57	13	9.0	65	28	88	25	9.3	1.5	6.6	1.6
13	.32	60	13	9.0	32	31	73	23	8.2	2.3	4.6	1.6
14	.31	61	17	9.0	22	26	62	23	7.2	1.9	3.7	7.8
15	.32	62	15	9.0	18	25	57	22	6.4	1.6	3.8	13
16	.37	62	13	8.0	16	32	52	22	5.6	1.5	3.5	2.6
17	5.7	64	12	8.0	15	92	47	20	4.6	1.6	3.2	1.5
18	1.9	67	11	8.0	13	358	42	18	4.3	1.4	2.8	1.2
19	.92	88	10	7.0	12	596	37	18	3.9	1.4	5.4	.95
20	1.1	55	10	7.0	10	136	38	24	3.7	1.3	7.6	.86
21	1.3	28	9.0	6.0	9.9	88	155	21	3.6	1.2	3.7	.86
22	.94	37	8.0	5.0	9.5	66	77	18	4.1	1.1	3.3	1.4
23	.59	138	8.0	6.0	8.9	129	59	16	3.4	.95	3.2	1.9
24	.46	30	8.0	6.0	8.2	240	49	14	3.1	.90	2.6	1.6
25	.40	18	7.0	7.0	7.7	112	42	13	2.8	.86	2.3	2.7
26	.35	13	7.0	7.4	114	86	37	131	3.0	.97	2.1	5.9
27	.39	19	7.0	8.4	146	79	33	221	3.3	2.0	1.9	4.1
28	.47	24	6.0	8.5	87	364	29	155	3.1	3.6	2.0	3.3
29	.48	17	6.0	7.8	67	178	28	68	2.8	2.2	2.2	2.8
30	.52	13	6.0	6.3	---	109	25	46	2.6	1.8	1.8	2.4
31	.87	---	6.0	5.7	---	98	---	33	---	1.6	1.6	---
TOTAL	20.65	1184.2	372.0	220.1	751.8	3607	2792	1521	281.0	56.28	171.4	74.17
MEAN	.67	39.5	12.0	7.10	25.9	116	93.1	49.1	9.37	1.82	5.53	2.47
MAX	5.7	138	28	11	146	596	560	221	26	3.6	47	13
MIN	.18	1.9	6.0	5.0	5.2	23	25	13	2.6	.86	1.2	.86
CFSM	.01	.86	.26	.15	.56	2.52	2.02	1.07	.20	.04	.12	.05
IN.	.02	.96	.30	.18	.61	2.92	2.26	1.23	.23	.05	.14	.06
AC-FT	41	2350	738	437	1490	7150	5540	3020	557	112	340	147

CAL YR 1983 TOTAL 9929.74 MEAN 27.2 MAX 1240 MIN .18 CFSM .59 IN. 8.03 AC-FT 19700
WTR YR 1984 TOTAL 11047.60 MEAN 30.2 MAX 596 MIN .18 CFSM .66 IN. 8.93 AC-FT 21910

07196900 BARON FORK AT DUTCH MILLS, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1961, October 1968 to current year.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983 11...	0925	9	9827	9827	.23	8.0	22.0	18.0	30	10.1
NOV 15...	1020	9	9827	9827	62	7.9	11.0	9.0	1.8	10.1
DEC 06...	1335	9	9827	9827	15	7.8	5.0	7.0	2.0	12.0
JAN, 1984 10...	1001	9	9827	9827	9.0	7.7	-3.0	3.0	1.0	11.0
FEB 07...	1307	9	9827	9827	4.2	8.0	16.0	5.0	2.0	--
MAR 06...	1058	9	9827	9827	69	7.6	4.0	7.0	5.4	12.5
APR 17...	1130	9	9827	9827	46	8.0	14.0	13.0	3.0	13.2
JUN 12...	1235	9	9827	9827	8.4	7.7	27.0	25.0	3.5	6.1
JUL 24...	1031	9	9827	9827	.80	7.7	28.0	25.0	3.5	6.2
AUG 21...	0705	9	9827	9827	4.2	7.6	23.0	25.0	5.5	4.2
SEP 18...	1322	9	9827	9827	1.2	7.8	24.0	20.0	4.0	4.7

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983 11...	0925	3.1	4	6.0	8.5	169	.23	5	.78
NOV 15...	1020	1.0	100	21	16	223	.30	2	.32
DEC 06...	1335	1.0	170	25	12	225	.31	2	4.6
JAN, 1984 10...	1001	1.1	>600	28	14	214	.29	2	3.3
FEB 07...	1307	1.7	--	37	13	223	.30	3	2.5
MAR 06...	1058	1.5	200	13	5.5	143	.19	4	4.2
APR 17...	1130	.9	50	12	6.0	170	.23	4	3.5
JUN 12...	1235	1.3	240	15	9.0	198	.27	1	--
JUL 24...	1031	1.6	200	13	13	151	.21	9	.07
AUG 21...	0705	1.4	270	12	9.5	178	.24	7	--
SEP 18...	1322	1.5	340	11	7.0	182	.25	9	.63

07196900 BARON FORK AT DUTCH MILLS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
11...	0925	.010	.190	.150	0	<1	30	8	80
NOV									
15...	1020	--	.060	--	0	<1	15	5	50
DEC									
06...	1335	.080	.160	.140	0	<1	<10	6	0
JAN, 1984									
10...	1001	.060	.280	.200	0	<1	12	--	40
FEB									
07...	1307	.010	.220	.230	1	<1	14	9	30
MAR									
06...	1058	--	.110	.090	1	<1	<10	--	0
APR									
17...	1130	.040	.090	.070	0	1	<10	5	10
JUN									
12...	1235	.050	--	.100	0	<1	17	20	30
JUL									
24...	1031	.050	.080	.030	1	<1	<10	7	20
AUG									
21...	0705	.050	.200	.150	3	<1	<10	12	30
SEP									
18...	1322	.070	.170	.120	1	1	14	9	--

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
SEP, 1984									
18...	1322	.000	.000	<.010	.000	.000	.00	<.01	.0

07246940 POTEAU RIVER AT WALDRON, AR

LOCATION.--Lat 34°53'46", long 94°03'57", in SW 1/4 SE 1/4, sec.22, T.3 N., R.29 W., Scott County, Hydrologic Unit 1111010 at downstream side of bridge on State Highway 80 in Waldron, 1.8 mi east of Waldron High School.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983										
15...	1150	9	9827	9827	--	7.2	16.0	11.0	8.0	11.0
DEC										
06...	1025	9	9827	9827	--	6.9	.0	5.0	30	11.8
JAN, 1984										
10...	1142	9	9827	9827	--	6.8	.0	2.0	70	13.4
FEB										
07...	1115	9	9827	9827	.80	7.1	14.0	3.0	20	14.0
MAR										
06...	1035	9	9827	9827	--	6.5	11.0	8.0	30	12.1
APR										
17...	1115	9	9827	9827	4.0	7.9	24.0	16.0	20	12.8
MAY										
15...	1035	9	9827	9827	.20	7.0	20.0	22.0	20	8.6
JUN										
12...	1030	9	9827	9827	.00	7.7	33.0	28.0	6.8	8.3
JUL										
24...	1030	9	9827	9827	.00	7.3	27.0	25.0	20	6.7
AUG										
28...	1330	9	9827	9827	.00	7.3	34.0	30.0	60	7.0
SEP										
25...	1140	9	9827	9827	.05	7.4	26.0	25.0	50	5.3

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
15...	1150	1.9	64	18	16	114	.16	10	.01
DEC									
06...	1025	1.2	210	8.0	7.5	73	.10	6	.27
JAN, 1984									
10...	1142	4.3	--	19	14	122	.17	26	.61
FEB									
07...	1115	1.9	14	24	15	101	.14	25	.06
MAR									
06...	1035	1.2	260	--	5.0	48	.07	10	--
APR									
17...	1115	.9	30	7.0	6.0	60	.08	10	.03
MAY									
15...	1035	1.5	150	8.0	4.0	60	.08	7	.01
JUN									
12...	1030	4.0	2000	15	--	109	.15	--	.02
JUL									
24...	1030	--	200	--	20	125	.17	33	.03
AUG									
28...	1330	4.2	55	8.0	13	104	.14	132	.02
SEP									
25...	1140	3.3	480	19	11	126	.17	34	.10

07246940 POTEAU RIVER AT WALDRON, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV, 1983									
15...	1150	<.010	.030	.010	0	<1	11	29	20
DEC									
06...	1025	.030	.060	.020	0	2	24	190	20
JAN, 1984									
10...	1142	.290	.230	.070	0	--	210	280	190
FEB									
07...	1115	.060	.050	.010	1	6	180	540	--
MAR									
06...	1035	--	--	.050	0	1	25	--	30
APR									
17...	1115	.020	.060	.010	0	1	28	--	20
MAY									
15...	1035	<.010	.040	<.010	0	1	--	--	40
JUN									
12...	1030	<.010	.050	.030	0	<1	18	25	30
JUL									
24...	1030	.010	.130	.020	0	<1	12	18	0
AUG									
28...	1330	<.010	.140	.010	0	1	20	48	50
SEP									
25...	1140	.040	.140	.050	0	1	35	29	30

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
JUL, 1984									
24...	1030	.000	.000	.000	.000	.000	.00	<.01	.0

07246950 POTEAU RIVER NORTHWEST OF WALDRON, ARK

LOCATION.--Lat 34°54'47", long 94°06'28", in SE 1/4 SW 1/4, sec.17, T.3 N., R.29 W., Scott County, Hydrologic Unit 1111010 at bridge on U.S. Highway 71, 0.9 mi north of Waldron city limits and Kansas City Southern Railroad crossing.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
NOV, 1983										
15...	1215	9	9827	9827	--	7.1	15.0	12.0	5.4	4.2
DEC										
06...	1045	9	9827	9827	--	6.9	.0	6.0	35	9.7
JAN, 1984										
10...	1200	9	9827	9827	--	7.0	.0	2.0	80	12.0
FEB										
07...	1145	9	9827	9827	.83	6.9	14.0	5.0	20	8.6
MAR										
06...	1055	9	9827	9827	--	6.4	14.0	9.0	40	11.3
APR										
17...	1135	9	9827	9827	4.0	7.0	21.0	16.0	20	11.3
MAY										
15...	1055	9	9827	9827	.21	6.8	19.0	18.0	25	6.2
JUN										
12...	1055	9	9827	9827	--	6.9	30.0	28.0	9.5	1.4
JUL										
24...	1050	9	9827	9827	--	7.1	27.0	26.0	20	1.0
AUG										
28...	1350	9	9827	9827	--	7.2	32.0	29.0	20	.5
SEP										
25...	1158	9	9827	9827	--	7.3	25.0	26.0	25	1.2

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
15...	1215	2.9	590	29	33	212	.29	6	.64
DEC									
06...	1045	1.9	720	12	11	101	.14	10	.49
JAN, 1984									
10...	1200	5.0	--	18	11	120	.16	39	.56
FEB									
07...	1145	7.7	>600	25	15	131	.18	10	.29
MAR									
06...	1055	1.8	860	--	5.0	47	.06	30	--
APR									
17...	1135	1.8	>600	8.0	5.5	58	.08	10	.20
MAY									
15...	1055	2.5	10000	15	2.5	54	.07	18	.08
JUN									
12...	1055	13	--	19	--	148	.20	--	.02
JUL									
24...	1050	--	>600	--	49	254	.35	47	.09
AUG									
28...	1350	14	7300	17	47	275	.37	40	.04
SEP									
25...	1158	17	22000	20	31	194	.26	59	--

07246950 POTEAU RIVER NORTHWEST OF WALDRON, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
15...	1215	.810	7.80	6.70	0	43	11	16	0
DEC									
06...	1045	.250	1.50	1.30	0	2	16	69	20
JAN, 1984									
10...	1200	.520	--	--	0	--	140	270	140
FEB									
07...	1145	1.92	1.88	1.95	0	<1	--	110	--
MAR									
06...	1055	--	--	.060	0	1	15	--	20
APR									
17...	1135	.050	.200	.120	0	2	16	--	10
MAY									
15...	1055	.210	.200	.080	0	1	--	--	20
JUN									
12...	1055	4.65	8.70	5.00	1	<1	26	43	60
JUL									
24...	1050	5.50	13.2	11.0	0	<1	19	24	30
AUG									
28...	1350	8.25	8.80	8.50	0	<1	28	15	70
SEP									
25...	1158	1.75	6.20	2.20	0	2	50	32	50

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
24...	1050	.000	.000	.000	.000	.000	.00	<.01	.0

07247000 POTEAU RIVER AT CAUTHRON, AR

LOCATION.--Lat 34°55'08", long 94°17'55", in NW 1/4 SW 1/4 sec.16, T.3 N., R.31 W., Scott County, Hydrologic Unit 11110105, on right bank at downstream side of highway bridge at Cauthron, 2.9 mi downstream from Cross Creek, 7.8 mi downstream from Jones Creek, and at mile 109.0.

DRAINAGE AREA.--203 mi^2.

PERIOD OF RECORD.--February 1939 to current year.

REVISED RECORDS.--WSP 1037: 1939(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.53 ft National Geodetic Vertical Datum of 1929. Prior to May 2, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for periods of no gage-height record, Feb. 12 to Apr. 17, which are fair. As of September 1974, flow from 92.2 mi^2 upstream from this station is controlled by 16 floodwater-detention reservoirs that have a total combined capacity of 39,082 acre-ft below the flood spillway crests, of which 33,524 acre-ft is flood-detention capacity, 2,100 acre-ft is water-supply storage, and 3,458 acre-ft is sediment-storage capacity.

AVERAGE DISCHARGE.--45 years, 214 ft^3/s, 155,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,200 ft^3/s May 20, 1960, gage height, 23.76 ft; no flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1935 reached a stage of 27.4 ft, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,760 ft^3/s May 3, gage height, 17.19 ft; minimum, 0.12 ft^3/s Oct. 17-18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.29	1.0	15	18	42	540	300	38	46	6.8	2.0	4.1
2	.37	1.2	50	19	41	480	250	3200	38	5.2	1.7	3.8
3	.40	1.2	1060	20	40	430	270	5390	33	4.4	184	3.7
4	.38	1.2	456	22	43	400	260	1850	28	4.2	42	2.4
5	.39	1.4	218	24	40	900	220	1450	23	37	14	1.9
6	.40	1.5	153	26	34	600	190	1130	21	24	8.3	1.9
7	.46	1.6	120	26	31	510	160	1160	18	10	8.3	2.2
8	.51	1.9	94	24	29	450	180	1070	17	6.4	5.1	2.2
9	.57	2.4	79	26	29	400	390	650	14	5.4	6.0	6.6
10	.51	2.7	74	176	35	360	320	466	12	3.9	9.3	22
11	.52	2.7	960	180	86	320	260	366	9.9	3.9	19	18
12	.72	3.5	350	127	2600	1200	220	294	9.1	5.9	12	8.4
13	1.0	5.1	233	105	1600	1400	180	241	7.9	15	7.1	4.7
14	2.6	5.7	219	86	1100	730	150	202	6.7	11	5.1	3.2
15	1.8	5.4	170	76	900	430	130	171	5.9	9.9	3.9	2.8
16	1.6	5.3	132	71	680	280	110	147	9.1	8.4	2.9	2.5
17	.18	5.8	110	67	520	310	96	126	6.9	7.0	2.5	1.9
18	.24	6.7	94	61	400	360	84	109	5.1	6.8	2.3	1.7
19	.57	21	81	50	320	330	72	94	4.4	9.8	2.0	1.8
20	1.1	62	71	42	250	350	63	97	4.1	8.7	1.6	1.8
21	2.4	32	64	36	200	280	79	275	6.9	6.5	1.3	1.9
22	2.3	22	55	32	160	230	130	133	96	5.6	1.0	36
23	5.4	165	44	38	130	200	89	91	32	4.3	1.7	224
24	4.1	84	36	74	105	600	76	67	21	6.1	1.5	77
25	2.5	19	31	83	84	500	66	52	15	4.3	1.4	35
26	1.9	11	27	78	140	310	56	138	11	4.5	1.6	157
27	1.6	15	27	72	1500	330	49	281	9.9	5.1	1.8	387
28	.90	76	27	66	980	840	41	165	8.9	4.7	2.4	151
29	.73	33	24	62	700	640	37	117	8.2	3.5	3.0	78
30	.78	19	22	57	---	500	49	80	8.8	3.2	3.4	41
31	.85	---	19	49	---	390	---	59	---	2.3	4.0	---
TOTAL	38.07	615.3	5115	1893	12819	15600	4577	19709	536.8	243.8	362.2	1285.5
MEAN	1.23	20.5	165	61.1	442	503	153	636	17.9	7.86	11.7	42.9
MAX	5.4	165	1060	180	2600	1400	390	5390	96	37	184	387
MIN	.18	1.0	15	18	29	200	37	38	4.1	2.3	1.0	1.7
AC-FT	76	1220	10150	3750	25430	30940	9080	39090	1060	484	718	2550

CAL YR 1983 TOTAL 77326.40 MEAN 212 MAX 5800 MIN .16 AC-FT 153400
WTR YR 1984 TOTAL 62794.67 MEAN 172 MAX 5390 MIN .18 AC-FT 124600

07249400 JAMES FORK NEAR HACKETT, AR

LOCATION.--Lat 35°09'45", long 94°24'25", in NW 1/4 NW 1/4 sec.34, T.6 N., R.32 W., Sebastian County, Hydrologic Unit 11110105, near left bank on downstream side of bridge on State Highway 45, 1.7 mi south of Hackett, 2.0 mi downstream from Elder Branch, 2.0 mi upstream from small tributary, and 3.6 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--147 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1958 to current year.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 459.71 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--26 years, 129 ft^3/s, 11.92 in/yr, 93,460 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,000 ft^3/s May 14, 1968, gage height, 23.00 ft, from rating curve extended above 20,000 ft^3/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,150 ft^3/s May 27, at 0200 hours, gage height, 16.00 ft, no other peak above base of 3,000 ft^3/s, no flow Oct. 6-13, Aug. 24, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.60	.19	11	4.5	17	230	237	33	84	9.0	.62	2.1
2	.47	.33	10	4.2	16	179	204	496	68	8.8	.51	1.8
3	.43	.94	30	4.0	15	144	301	1280	57	8.5	.73	1.5
4	.32	1.5	85	3.4	14	818	205	606	49	8.3	.83	1.2
5	.11	1.8	44	4.0	13	896	158	416	43	8.1	.75	.75
6	.00	1.9	23	3.8	13	357	129	345	39	8.1	1.0	.45
7	.00	2.1	16	3.2	12	244	113	270	36	7.0	.49	.30
8	.00	2.4	11	2.9	13	180	500	323	33	6.3	.26	.35
9	.00	2.9	7.7	3.7	13	135	503	200	31	5.7	.22	6.7
10	.00	3.0	8.4	41	12	138	254	145	28	5.3	2.4	7.6
11	.00	3.0	22	84	14	137	200	108	26	4.9	3.0	6.3
12	.00	3.0	39	44	790	1190	160	85	25	4.8	1.7	4.7
13	.00	3.0	27	30	324	643	124	72	23	4.6	.94	4.3
14	.07	3.1	24	23	193	345	102	62	25	5.8	.47	3.8
15	7.7	3.1	23	17	139	281	90	54	38	4.5	.25	3.7
16	19	3.1	18	15	118	745	82	48	25	4.2	.19	3.4
17	25	3.2	14	14	98	472	75	42	21	7.3	.62	3.4
18	18	3.5	11	15	80	357	68	39	18	8.3	.93	3.9
19	14	4.7	9.5	15	69	619	63	37	17	5.9	1.1	4.2
20	13	5.5	11	14	59	370	59	40	16	3.5	1.6	4.0
21	16	5.7	10	14	54	253	65	70	16	3.4	1.2	3.9
22	11	7.2	9.2	13	50	192	61	62	16	2.2	.48	7.9
23	4.7	71	8.5	10	46	170	53	49	15	1.9	.22	9.9
24	1.9	47	7.8	32	44	522	50	40	13	2.0	.00	9.2
25	.73	12	7.3	41	41	316	45	35	12	1.9	.00	11
26	.52	4.8	6.8	41	213	237	41	1010	11	1.6	.06	9.9
27	.78	3.6	6.3	36	1100	205	39	1670	12	1.6	.32	24
28	.71	5.5	5.9	32	547	788	38	444	11	1.9	1.5	27
29	.55	14	5.5	29	309	907	35	255	11	1.3	1.4	15
30	.41	15	5.1	22	---	411	34	164	9.7	.97	1.4	11
31	.35	---	4.7	19	---	295	---	113	---	.70	2.0	---
TOTAL	136.35	238.06	521.7	634.7	4426	12776	4088	8613	828.7	148.37	27.19	193.25
MEAN	4.40	7.94	16.8	20.5	153	412	136	278	27.6	4.79	.88	6.44
MAX	25	71	85	84	1100	1190	503	1670	84	9.0	3.0	27
MIN	.00	.19	4.7	2.9	12	135	34	33	9.7	.70	.00	.30
CFSM	.03	.05	.11	.14	1.04	2.80	.93	1.89	.19	.03	.01	.04
IN.	.03	.06	.13	.16	1.12	3.23	1.03	2.18	.21	.04	.01	.05
AC-FT	270	472	1030	1260	8780	25340	8110	17080	1640	294	54	383

CAL YR 1983 TOTAL 39318.09 MEAN 108 MAX 3770 MIN .00 CFSM .73 IN. 9.95 AC-FT 77990
WTR YR 1984 TOTAL 32631.32 MEAN 89.2 MAX 1670 MIN .00 CFSM .61 IN. 8.26 AC-FT 64720

07249400 JAMES FORK NEAR HACKETT, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1958 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)
OCT, 1983 11...	1315	9	9827	9827	--	.00	7.9	28.0	21.0	6.0
NOV 15...	1350	9	9827	9827	--	3.1	7.4	14.0	11.0	3.8
DEC 06...	1225	9	9827	9827	--	23	7.0	4.0	7.0	35
JAN, 1984 10...	1337	9	9827	9827	--	30	7.3	5.0	4.0	25
FEB 07...	1340	9	9827	9827	--	12	7.2	23.0	7.0	20
MAR 06...	1240	9	9827	9827	--	343	6.8	12.0	10.0	55
APR 17...	--	9	9827	9827	75	--	7.4	22.0	16.0	18
MAY 15...	1220	9	9827	9827	--	54	7.1	23.0	23.0	25
JUN 12...	1220	9	9827	9827	--	25	7.3	34.0	27.0	25
JUL 24...	1220	9	9827	9827	--	2.0	7.6	31.0	27.0	20
AUG 28...	1520	9	9827	9827	--	1.6	7.8	33.0	30.0	7.0
SEP 25...	1354	9	9827	9827	--	8.0	7.4	17.0	23.0	30

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983 11...	1315	3.6	2.2	120	97	21	483	.66	8	.03
NOV 15...	1350	6.2	1.6	52	120	8.0	382	.52	7	.01
DEC 06...	1225	10.2	1.2	400	120	7.5	468	.64	26	.16
JAN, 1984 10...	1337	11.2	1.0	140	61	9.0	175	.24	13	.30
FEB 07...	1340	12.5	1.5	24	70	9.5	16	.02	8	.22
MAR 06...	1240	8.9	1.5	1100	--	5.5	125	.17	32	--
APR 17...	--	9.9	.7	K30	60	6.0	147	.20	10	.17
MAY 15...	1220	7.2	1.1	60	80	4.0	162	.22	30	.12
JUN 12...	1220	6.3	.7	160	80	--	194	.26	--	.10
JUL 24...	1220	6.3	2.7	20	--	7.0	272	.37	21	.04
AUG 28...	1520	7.4	3.2	36	93	9.5	310	.42	10	.06
SEP 25...	1354	5.2	1.5	160	85	7.5	257	.35	42	.10

07249400 JAMES FORK NEAR HACKETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
11...	1315	.020	.030	<.010	0	<1	23	11	20
NOV									
15...	1350	<.010	.050	--	0	<1	20	6	1000
DEC									
06...	1225	.040	.050	<.010	3	2	15	13	40
JAN, 1984									
10...	1337	.110	.060	.010	0	--	37	57	40
FEB									
07...	1340	.090	.040	<.010	0	<1	--	42	--
MAR									
06...	1240	--	--	.070	0	1	16	--	30
APR									
17...	--	.020	.040	<.010	0	2	<10	--	30
MAY									
15...	1220	<.010	.050	.010	0	2	--	--	30
JUN									
12...	1220	.020	.070	.030	2	1	14	12	50
JUL									
24...	1220	.010	.100	.030	0	5	18	13	20
AUG									
28...	1520	<.010	.050	<.010	0	3	<10	<1	0
SEP									
25...	1354	.040	.100	.030	0	2	24	24	30

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
28...	1520	.000	.000	.000	.000	.000	.00	<.01	.0

07250000 LEE CREEK NEAR VAN BUREN, AR

LOCATION.--Lat 35°29'40", long 94°26'58", in SE 1/4 sec.21, T.12 N., R.27 E., Indian Meridian, Sequoyah County, Okla., Hydrologic Unit 11110104, on right bank 300 ft west of Arkansas-Oklahoma State line, 3.2 mi downstream from Webbers Creek, 6.8 mi northwest of Van Buren, and at mile 7.8.

DRAINAGE AREA.--426 mi^2.

PERIOD OF RECORD.--September 1930 to June 1937, October 1950 to current year.

REVISED RECORDS.--WSP 1211: 1931(M). WSP 1441: 1935(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 408.04 ft National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). September 1930 to June 1937, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--40 years (1930-36, 1950-84), 484 ft^3/s, 15.43 in/yr, 350,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,600 ft^3/s May 6, 1960, gage height, 30.30 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 15, 1945, reached a stage of about 35.0 ft, from floodmarks, discharge about 112,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,200 ft^3/s May 7, gage height, 11.61 ft, no other peak above base of 13,000 ft^3/s; no flow Oct. 1-19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.12	228	63	92	1240	1210	370	634	8.7	.38	3.9
2	.00	.12	205	60	89	1030	1320	340	474	7.3	.36	3.5
3	.00	.12	201	58	88	878	3050	318	373	6.2	.33	4.2
4	.00	.12	221	53	86	2400	2070	300	305	5.6	.28	3.7
5	.00	.12	251	48	82	4030	1510	289	260	4.7	32	3.3
6	.00	.11	240	49	77	2090	1190	644	260	4.2	17	2.9
7	.00	.11	214	50	74	1410	1010	5550	278	3.8	3.6	2.6
8	.00	.11	187	51	72	1060	2260	4530	245	3.3	61	2.5
9	.00	.17	166	57	72	830	3500	2160	207	3.0	602	4.6
10	.00	.20	156	73	72	683	2220	1400	179	2.8	721	5.5
11	.00	.21	170	78	73	582	1650	994	155	2.5	292	14
12	.00	.21	183	81	325	1170	1300	738	133	2.2	166	13
13	.00	.21	226	87	688	1400	1060	565	116	2.1	112	8.8
14	.00	.21	252	88	487	1080	886	448	102	1.8	83	8.2
15	.00	.19	256	87	390	947	753	364	92	1.5	63	8.6
16	.00	.18	245	86	460	1950	659	307	81	1.3	49	7.3
17	.00	.15	220	84	485	2270	575	256	70	1.4	38	6.4
18	.00	.15	198	80	417	2100	504	221	60	1.4	28	6.1
19	.00	.66	181	75	374	3470	441	199	51	1.2	23	5.5
20	.01	1.3	165	70	338	2550	396	225	44	1.0	18	5.1
21	.62	1.4	154	65	301	1730	2650	485	35	.96	15	4.7
22	.77	22	138	62	271	1290	2420	415	30	.91	13	7.5
23	.60	521	125	67	246	1140	1510	295	25	.82	11	8.8
24	.42	824	110	69	223	3160	1130	231	20	.73	9.3	9.6
25	.32	416	101	74	204	2430	907	190	16	.72	8.0	75
26	.23	284	95	78	761	1770	738	589	14	.90	7.0	259
27	.18	260	90	81	4670	1430	664	3110	14	.97	6.2	286
28	.15	377	87	86	2650	1860	568	4800	13	.73	5.4	184
29	.14	375	78	93	1670	2770	482	2260	12	.63	5.1	133
30	.12	289	71	94	---	1870	425	1310	10	.49	4.5	101
31	.12	---	66	93	---	1410	---	891	---	.39	4.2	---
TOTAL	3.68	3374.17	5280	2240	15837	54030	39058	34794	4308	74.25	2398.65	1188.3
MEAN	.12	112	170	72.3	546	1743	1302	1122	144	2.40	77.4	39.6
MAX	.77	824	256	94	4670	4030	3500	5550	634	8.7	721	286
MIN	.00	.11	66	48	72	582	396	190	10	.39	.28	2.5
CFSM	.00	.26	.40	.17	1.28	4.09	3.06	2.63	.34	.01	.18	.09
IN.	.00	.29	.46	.20	1.38	4.72	3.41	3.04	.38	.01	.21	.10
AC-FT	7.3	6690	10470	4440	31410	107200	77470	69010	8540	147	4760	2360

CAL YR 1983 TOTAL 135119.41 MEAN 370 MAX 5990 MIN .00 CFSM .87 IN. 11.80 AC-FT 268000
WTR YR 1984 TOTAL 162586.05 MEAN 444 MAX 5550 MIN .00 CFSM 1.04 IN. 14.20 AC-FT 322500

07250500 ARKANSAS RIVER AT VAN BUREN, AR

LOCATION.--Lat 35°25'42", long 94°21'37", in SE 1/4 SW 1/4 sec.25, T.9 N., R.32 W., Crawford County, Hydrologic Unit 11110104, near left bank on upstream side of bridge on U.S. Highway 64 and 71 at Van Buren, 1.4 mi downstream from Lee Creek, 8.7 mi downstream from Poteau River, and at mile 316.5.

DRAINAGE AREA.--150,482 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--October 1945 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1970.
SEDIMENT RECORDS: October 1967 to September 1970.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)
OCT, 1983 11...	1540	9	9827	9827	--	.00	8.5	25.0	23.0	6.5
DEC 06...	1330	9	9827	9827	--	2900	7.9	8.0	8.0	25
JAN, 1984 10...	1445	9	9827	9827	--	0100	8.0	5.0	2.0	7.0
FEB 07...	1455	9	9827	9827	--	7400	8.9	13.0	5.0	8.0
MAR 06...	1410	9	9827	9827	--	7200	7.5	15.0	10.0	90
APR 17...	1430	9	9827	9827	119000	--	7.8	20.0	16.0	65
MAY 15...	1435	9	9827	9827	--	6800	7.4	22.0	22.0	55
JUN 12...	1400	9	9827	9827	--	5500	7.9	--	--	40
JUL 24...	1340	9	9827	9827	--	9300	8.2	35.0	30.0	15
AUG 28...	1632	9	9827	9827	--	5100	8.5	33.0	31.0	7.0
SEP 25...	1505	9	9827	9827	--	0300	8.2	14.0	23.0	55

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT, 1983 11...	1540	11.3	21	3.6	16	53	110	377	.51
DEC 06...	1330	11.5	43	2.3	270	46	83	318	.43
JAN, 1984 10...	1445	14.5	16	2.9	4	46	73	293	.40
FEB 07...	1455	18.1	25	5.9	<4	62	130	408	.55
MAR 06...	1410	10.6	25	3.0	1100	--	130	368	.50
APR 17...	1430	9.8	17	2.5	<10	47	85	352	.48
MAY 15...	1435	8.4	19	3.0	270	32	43	213	.29
JUN 12...	1400	8.5	24	2.9	400	50	--	328	.45
JUL 24...	1340	10.0	--	5.0	4	--	100	385	.52
AUG 28...	1632	11.5	--	3.1	150	55	120	441	.60
SEP 25...	1505	7.8	11	2.0	3500	46	110	384	.52

07250500 ARKANSAS RIVER AT VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1983									
11...	1540	12	.01	.010	.19	.20	.21	.93	.080
DEC									
06...	1330	22	.42	.050	.15	.20	.62	2.7	.090
JAN, 1984									
10...	1445	11	.40	.040	2.3	2.3	2.7	12	.120
FEB									
07...	1455	22	.02	.010	.49	.50	.52	2.3	.080
MAR									
06...	1410	78	--	--	--	1.2	--	--	--
APR									
17...	1430	105	.81	.110	--	--	--	--	.180
MAY									
15...	1435	42	.42	.090	.41	.50	.92	4.1	.150
JUN									
12...	1400	--	.74	.020	.08	.10	.84	3.7	.130
JUL									
24...	1340	22	.13	<.010	--	<.10	--	--	.130
AUG									
28...	1632	12	.04	<.010	--	.50	.54	2.4	.080
SEP									
25...	1505	62	.07	.070	--	<.10	--	--	.130

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
11...	1540	.020	--	0	<1	16	1	--	0
DEC									
06...	1330	.020	<5	0	2	<10	3	<5	0
JAN, 1984									
10...	1445	.010	--	0	--	<10	1	--	0
FEB									
07...	1455	<.010	<5	2	<1	--	5	<5	--
MAR									
06...	1410	.090	--	0	2	<10	--	--	20
APR									
17...	1430	.100	<5	0	4	<10	--	<5	30
MAY									
15...	1435	.040	--	0	4	--	--	--	0
JUN									
12...	1400	.040	--	0	2	<10	3	--	20
JUL									
24...	1340	.030	--	0	<1	14	2	--	0
AUG									
28...	1632	.010	<5	0	<1	<10	<1	<5	10
SEP									
25...	1505	.070	--	0	3	15	3	--	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
DEC, 1983									
06...	1330	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984									
10...	1445	.000	.000	.000	.000	.000	.00	.00	.0
FEB									
07...	1455	.000	.000	.000	.000	.000	.00	.00	.0
MAR									
06...	1410	.000	.000	.000	.000	.000	.00	.00	.0
APR									
17...	1430	.000	.000	.000	.000	.000	.00	.00	.0
AUG									
28...	1632	.000	.000	.000	.000	.000	.00	<.01	.0

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR

LOCATION.--Lat 35°20'56", long 94°17'54", in sec.28, T.8 N., R.31 W., Sebastian County, Hydrologic Unit 11110104, in Dam No. 13 control house on right bank and at mile 308.9.

DRAINAGE AREA.--150,547 mi^2, of which 22,241 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to current year. Prior to October 1969, published as "07250500 Arkansas River at Van Buren." Gage-height records collected from 1879 to December 1955 at Fort Smith, 16.3 mi upstream, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1934-36. WSP 1561: 1554. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage and gate position recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, and Oct. 1, 1934, to Dec. 20, 1969, recording gage at site 7.9 mi upstream at datum 372.36 ft higher.

REMARKS.--Records good. Beginning Apr. 26, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs.

AVERAGE DISCHARGE.--57 years, 30,790 ft^3/s, 22,310,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850,000 ft^3/s May 12, 1943, gage height, 38.0 ft, from floodmark, site and datum then in use; maximum gage height, 38.10 ft, former site and datum, Apr. 16; 1945; no flow Nov. 2, 1975, Feb. 1, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1833, that of Apr. 16, 1945, and maximum discharge since at least 1833, that of May 12, 1943. Flood in June 1833 reached a stage of 38.0 ft on Fort Smith gage, from records collected by National Weather Service. Flood of Apr. 16, 1927, reached a stage of 35.0 ft, former site and datum, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 133,000 ft^3/s Mar. 30, Apr. 9, 10, 14, 15; maximum tailwater elevation, 388.85 ft Apr. 9, 10; minimum daily discharge, 31 ft^3/s Sept. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	29900	21200	1090	9820	45700	129000	62700	57100	20400	6510	3190
2	80	36500	26200	594	6440	35200	121000	66400	62100	19800	3300	1320
3	1190	33100	26100	7580	10300	27700	125000	63100	54800	23300	5250	1120
4	1970	35500	18100	11200	1680	37400	130000	63000	42600	16300	2420	232
5	837	26300	25600	8540	10500	50900	129000	63900	38400	17900	2590	2790
6	1660	29700	27900	7970	9960	52000	128000	61300	38200	20700	5170	4000
7	3370	21000	28900	2890	10000	54600	125000	67800	27000	13000	9510	2800
8	129	27300	26200	64	9580	54700	125000	74700	29000	10100	10700	10900
9	80	25100	21700	3810	8170	53200	132000	72300	27500	14400	14100	1740
10	4220	29700	18100	7460	11300	45600	133000	63200	27600	16100	8840	5140
11	1590	27000	17500	8860	2710	38700	130000	56100	30200	18500	2200	8440
12	3680	18000	8310	6400	8370	42700	129000	52400	33000	14400	2770	13800
13	420	6220	17500	8230	9980	44500	130000	50100	35400	12800	10600	13100
14	81	21300	19700	2600	12800	40200	132000	48300	34200	3070	7670	10900
15	115	22200	12300	1840	10900	49300	133000	43400	31900	3240	10500	1750
16	114	19500	10600	3010	17900	62100	127000	47200	32800	8990	10400	1760
17	4900	11700	3480	10000	15200	60800	119000	45000	32300	4980	9510	964
18	6720	12500	6100	9850	7760	59500	114000	41000	32000	3860	4060	31
19	9200	11400	15500	14800	8520	74400	115000	39600	25900	7920	2370	2270
20	22200	16500	11000	12800	13500	95100	116000	40900	24100	8770	7370	2780
21	39800	12400	17600	3000	10700	99400	121000	41000	32400	6450	8470	2480
22	42700	16800	10900	874	12200	104000	123000	37400	33600	4890	4740	1740
23	30300	28500	10400	3880	11600	102000	118000	36200	25800	8550	4930	1840
24	41000	22400	6970	1810	9370	116000	117000	33200	22700	6660	1390	6000
25	40000	22200	10900	114	4090	124000	113000	23600	19000	5970	1310	8880
26	35800	25600	11900	5460	8840	119000	99500	28800	24700	9240	1320	4070
27	31400	31000	6480	6060	45000	114000	86800	65300	25100	9840	7190	2630
28	33600	36000	8470	65	51300	121000	70400	123000	23200	4130	9070	2060
29	26900	35700	4030	1750	44900	129000	66800	98400	25500	2400	9890	1760
30	26500	25500	5420	9680	---	132000	57500	68100	21700	4150	11700	191
31	22700	---	1440	10100	---	131000	---	58300	---	4010	8230	---
TOTAL	433336	716520	456500	172381	393390	2315700	3495000	1735700	969800	324820	204080	120678
MEAN	13980	23880	14730	5561	13570	74700	116500	55990	32330	10480	6583	4023
MAX	42700	36500	28900	14800	51300	132000	133000	123000	62100	23300	14100	13800
MIN	80	6220	1440	64	1680	27700	57500	23600	19000	2400	1310	31
AC-FT	859500	1421000	905500	341900	780300	4593000	6932000	3443000	1924000	644300	404800	239400

CAL YR 1983 TOTAL 12963113 MEAN 35520 MAX 132000 MIN 17 AC-FT 25710000
WTR YR 1984 TOTAL 11337905 MEAN 30980 MAX 133000 MIN 31 AC-FT 22490000

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED
(National tritium station)
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1969 to September 1981.
WATER TEMPERATURES: October 1969 to September 1972, March 1974 to September 1981.
SUSPENDED SEDIMENT DISCHARGE: October 1970 to September 1981.

INSTRUMENTATION.--Water-quality monitor December 1969 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT											
05...	1315	9	80513	80010	.00	653	8.6	24.0	3.4	9.1	109
14...	1030	9	1028	85113	--	--	--	--	--	--	--
NOV											
18...	1000	9	1028	85113	--	--	--	--	--	--	--
DEC											
06...	1100	9	80513	80010	3400	562	8.0	10.0	13	12.0	107
06...	1200	9	1028	85113	--	--	--	--	--	--	--
FEB											
01...	1330	9	80513	80010	6800	593	8.1	5.0	8.4	18.4	145
MAR											
09...	1100	9	1028	85113	--	--	--	--	--	--	--
APR											
02...	1230	9	80513	80010	120000	646	7.4	10.0	65	10.4	94
MAY											
25...	1000	9	1028	85113	--	--	--	--	--	--	--
JUN											
04...	1800	9	80513	80010	1700	400	7.8	23.0	55	8.6	102
08...	1200	9	1028	85113	--	--	--	--	--	--	--
JUL											
06...	0915	9	1028	85113	--	--	--	--	--	--	--
AUG											
02...	0830	9	80513	80010	1510	699	8.4	27.0	6.5	7.5	95

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT											
05...	1315	759	21	6	160	50	50	46	11	67	47
DEC											
06...	1100	761	97	81	140	40	40	39	9.9	58	47
FEB											
01...	1330	756	1	29	130	38	38	37	9.2	65	51
APR											
02...	1230	748	230	140	130	44	44	39	8.9	71	53
JUN											
04...	1800	751	44	180	110	32	32	32	6.7	33	39
AUG											
02...	0830	757	23	43	160	44	44	44	11	71	49

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT 05...	1315	2	3.9	110	54	110	.30	.7	382	360	.52
DEC 06...	1100	2	4.0	99	49	89	.30	2.9	333	310	.45
FEB 01...	1330	3	3.3	93	51	100	<.10	.0	331	320	.45
APR 02...	1230	3	3.2	90	53	110	.20	5.2	405	340	.55
JUN 04...	1800	1	3.1	76	35	51	.20	5.0	233	210	.32
AUG 02...	0830	3	3.7	112	53	110	.20	2.4	418	360	.57

DATE	TIME	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT 05...	1315	<.100	.040	.50	.090	.070	.070	--	--	--	--
DEC 06...	1100	.480	.090	.60	.110	.080	.070	20	2	100	<.5
FEB 01...	1330	<.100	<.010	1.2	.110	.020	<.010	30	2	82	<.5
APR 02...	1230	.670	.150	1.2	.100	.080	.060	--	--	--	--
JUN 04...	1800	.740	.060	1.2	.170	.140	.140	60	1	71	<.0
AUG 02...	0830	.290	.140	.50	.080	.040	.060	10	2	110	<.0

DATE	TIME	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC 06...	1100	<1	1	<3	7	26	4	7	3	<.1	<10
FEB 01...	1330	<1	<1	<3	2	27	1	<4	3	<.1	<10
JUN 04...	1800	<1	<1	<3	2	20	1	<4	1	<.1	<10
AUG 02...	0830	<1	<1	<3	2	33	1	7	2	.1	<10

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRONTIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	TRITIUM IN WATER MOLECULES (TU) (07012)	TRITIUM WATER MOLECULES COUNT ERROR (TU) (07013)	SEDIMENT, SUS-PENDED (MG/L) (80154)	SEDIMENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
05...	1315	--	--	--	--	--	--	--	11	.00	53
14...	1030	--	--	--	--	--	16.0	.8	--	--	--
NOV											
18...	1000	--	--	--	--	--	18.1	1.0	--	--	--
DEC											
06...	1100	2	<1	<1	330	9	--	--	22	1980	68
06...	1200	--	--	--	--	--	14.6	.7	--	--	--
FEB											
01...	1330	3	<1	<1	290	4	15.2	.7	16	726	77
MAR											
09...	1100	--	--	--	--	--	17.7	.9	--	--	--
APR											
02...	1230	--	--	--	--	--	14.2	.7	355	115000	26
MAY											
25...	1000	--	--	--	--	--	14.5	.7	--	--	--
JUN											
04...	1800	2	<1	<1	240	9	--	--	74	8330	88
08...	1200	--	--	--	--	--	14.9	.7	--	--	--
JUL											
06...	0915	--	--	--	--	--	14.1	.7	--	--	--
AUG											
02...	0830	3	<1	<1	400	5	--	--	8	33	65

07252000 MULBERRY RIVER NEAR MULBERRY, AR

LOCATION.--Lat 35°34'37", long 94°00'55", in SE 1/4 SW 1/4 sec.31, T.11 N., R.28 W., Franklin County, Hydrologic Unit 11110201, on left bank 0.6 mi upstream from Mill Creek, 5.7 mi north of Mulberry, and at mile 11.3.

DRAINAGE AREA.--373 mi^2.

PERIOD OFRECORD.--May 1938 to current year.

REVISED RECORDS.--WSP 1007: 1943. WSP 1211: 1941-42. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 432.75 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Apr. 19, 1940, nonrecording gage at site 500 ft downstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 531 ft^3/s, 19.33 in/yr, 384,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,200 ft^3/s Dec. 3, 1982, gage height, 23.66 ft, from rating curve extended above 38,000 ft^3/s; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1927 reached a stage of 22.0 ft, discharge, about 59,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,700 ft^3/s May 7, at 2100 hours, gage height, 11.89 ft, no other peak above base of 10,000 ft^3/s; minimum, 0.06 ft^3/s Oct. 9, 10, 11, gage height, 0.49 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.11	.38	158	73	144	1340	1090	294	601	12	2.4	.24
2	.10	.43	148	69	139	1240	985	274	471	11	2.4	.20
3	.09	.47	169	65	139	1160	1370	271	383	11	2.4	.20
4	.09	.57	395	61	141	1900	1260	282	314	9.8	2.4	.20
5	.08	.62	468	59	140	3150	1100	284	268	8.5	2.4	.18
6	.07	.62	347	58	135	2090	958	820	246	7.7	2.2	.16
7	.07	.65	277	58	125	1550	850	7330	242	7.5	2.9	.13
8	.07	.68	233	60	114	1210	1040	5460	230	7.5	2.8	.13
9	.06	.76	200	60	109	977	1920	2770	200	22	2.5	.95
10	.06	.83	186	70	109	816	1650	1870	174	18	2.3	1.7
11	.07	.83	965	75	116	699	1360	1350	154	13	2.2	4.8
12	.10	.83	1090	93	1740	836	1160	1030	135	10	2.1	12
13	.10	.88	698	104	2120	1190	981	799	117	8.5	1.9	9.5
14	.10	.91	583	109	1360	1040	828	634	99	6.3	1.6	7.1
15	.10	.91	503	109	1010	938	720	511	85	5.1	1.5	6.2
16	.10	.91	414	109	859	857	624	433	72	5.1	1.4	5.1
17	.10	.91	340	109	737	1090	534	365	59	5.2	1.3	4.2
18	.11	.91	292	109	616	1610	461	303	51	5.8	1.1	3.7
19	.17	1.7	262	106	555	1680	409	265	46	6.5	.94	3.6
20	.26	2.7	235	98	481	1580	364	251	39	6.1	.89	3.2
21	.49	3.6	214	126	425	1300	502	241	35	5.8	.82	2.9
22	.50	15	193	85	387	1090	709	221	31	5.1	.77	4.1
23	.56	430	173	84	352	927	596	207	29	5.0	.69	4.8
24	.62	738	156	88	322	1190	523	185	25	4.3	.58	5.4
25	.62	334	160	94	292	1310	469	162	23	3.7	.52	168
26	.65	229	122	106	303	1150	426	986	20	3.6	.49	1290
27	.63	201	111	120	2390	1060	391	3000	19	4.1	.43	509
28	.54	216	104	136	2090	1350	349	2110	17	3.9	.40	276
29	.46	211	97	142	1590	1840	315	1450	16	3.2	.39	196
30	.45	183	88	145	---	1460	301	1030	14	2.5	.34	150
31	.44	---	84	145	---	1210	---	772	---	2.4	.29	---
TOTAL	7.97	2578.10	9465	2925	19040	40840	24245	35960	4215	230.2	45.35	2669.69
MEAN	.26	85.9	305	94.4	657	1317	808	1160	141	7.43	1.46	89.0
MAX	.65	738	1090	145	2390	3150	1920	7330	601	22	2.9	1290
MIN	.06	.38	84	58	109	699	301	162	14	2.4	.29	.13
CFSM	.00	.23	.82	.25	1.76	3.53	2.17	3.11	.38	.02	.00	.24
IN.	.00	.26	.94	.29	1.90	4.07	2.42	3.59	.42	.02	.00	.27
AC-FT	16	5110	18770	5800	37770	81010	48090	71330	8360	457	90	5300

CAL YR 1983 TOTAL 149516.15 MEAN 410 MAX 4770 MIN .06 CFSM 1.10 IN. 14.91 AC-FT 296600
WTR YR 1984 TOTAL 142221.31 MEAN 389 MAX 7330 MIN .06 CFSM 1.04 IN. 14.18 AC-FT 282100

07252030 MULBERRY RIVER AT I-40 NEAR MULBERRY, AR

LOCATION.--Lat 35°32'06" long 94°02'12", in NE 1/4 NW 1/4 sec.24, T.10 N., R.28 W., Franklin County, Hydrologic Unit 11110201, at bridge on Interstate 40 near Mulberry.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
NOV, 1983										
15...	1530	9	9827	9827	.97	7.1	14.0	13.0	20	10.8
DEC										
06...	1415	9	9827	9827	371	7.1	6.0	8.0	6.0	11.5
JAN, 1984										
10...	1515	9	9827	9827	75	6.9	11.0	5.0	3.0	13.2
FEB										
07...	1525	9	9827	9827	134	7.1	18.0	7.0	3.0	13.3
MAR										
06...	1445	9	9827	9827	2240	6.3	15.0	9.0	15	11.4
APR										
17...	1500	9	9827	9827	571	6.8	20.0	15.0	4.5	10.5
MAY										
15...	1520	9	9827	9827	547	6.8	23.0	21.0	6.0	9.1
JUN										
12...	1430	9	9827	9827	144	6.9	32.0	28.0	3.8	8.6
JUL										
24...	1420	9	9827	9827	4.6	7.0	36.0	31.0	20	8.4
AUG										
28...	0800	9	9827	9827	.43	6.7	26.0	28.0	2.0	6.4
SEP										
25...	1545	9	9827	9827	180	7.0	16.0	24.0	20	7.6

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
15...	1530	1.6	24	2.0	4.5	42	.06	10	.06
DEC									
06...	1415	.9	40	4.0	3.5	37	.05	2	.25
JAN, 1984									
10...	1515	.6	8	8.0	4.5	34	.05	2	.22
FEB									
07...	1525	1.6	<4	4.0	4.5	38	.05	1	.13
MAR									
06...	1445	1.1	60	--	2.5	19	.03	6	--
APR									
17...	1500	1.6	<10	2.0	2.5	32	.04	5	.11
MAY									
15...	1520	1.8	30	2.0	2.0	35	.05	2	.06
JUN									
12...	1430	1.5	16	3.0	--	33	.04	--	.07
JUL									
24...	1420	1.7	4	--	3.0	31	.04	2	.05
AUG									
28...	0800	1.8	290	4.0	4.0	33	.04	1	.10
SEP									
25...	1545	1.2	2300	2.0	3.0	27	.04	18	.08

07252030 MULBERRY RIVER AT I-40 NEAR MULBERRY, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
15...	1530	<.010	.040	.010	0	<1	<10	<1	0
DEC									
06...	1415	<.010	.010	<.010	0	<1	<10	<1	0
JAN, 1984									
10...	1515	.040	.030	<.010	0	--	<10	<1	0
FEB									
07...	1525	.060	.010	<.010	0	<1	--	<1	--
MAR									
06...	1445	--	--	.030	0	<1	<10	--	0
APR									
17...	1500	.040	.030	.010	0	2	<10	--	0
MAY									
15...	1520	<.010	.020	<.010	0	1	--	--	0
JUN									
12...	1430	<.010	.030	.030	0	<1	<10	<1	0
JUL									
24...	1420	.010	.030	.020	0	<1	<10	<1	0
AUG									
28...	0800	<.010	.020	<.010	0	<1	<10	<1	0
SEP									
25...	1545	.010	.070	.030	0	1	21	1	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
SEP, 1984									
25...	1545	.000	.000	.000	.000	.000	.00	<.01	.0

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, AR

LOCATION.--Lat 35°28'21", long 93°48'46", in SW 1/4 sec.6, T.9 N., R.26 W., Franklin County, Hydrologic Unit 11110201, at Ozark Dam 1.0 mi southeast of Ozark, and at mile 272.9.

DRAINAGE AREA.--151,801 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--August 1962 to August 1963, January 1965 to March 1966, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: January 1965 to March 1966.
SUSPENDED SEDIMENT DISCHARGE: October 1974 to September 1975.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)
OCT, 1983 11...	0900	9	9827	9827	--	50	8.1	14.0	20.0	8.2
NOV 15...	1635	9	9827	9827	24400	--	8.0	12.0	12.0	20
DEC 06...	1440	9	9827	9827	33700	--	7.9	5.0	8.0	20
JAN, 1984 10...	1545	9	9827	9827	--	8900	8.0	3.0	2.0	7.0
FEB 07...	1600	9	9827	9827	15300	--	8.9	12.0	6.0	7.0
MAR 06...	1515	9	9827	9827	64800	--	7.8	12.0	10.0	40
APR 17...	1530	9	9827	9827	134000	--	7.8	19.0	--	60
MAY 15...	1550	9	9827	9827	48800	--	7.7	25.0	23.0	45
JUN 12...	1500	9	9827	9827	32800	--	7.9	35.0	28.0	45
JUL 24...	1500	9	9827	9827	--	18300	8.3	33.0	32.0	8.6
AUG 28...	0830	9	9827	9827	--	130	8.3	27.0	29.0	7.0
SEP 25...	1620	9	9827	9827	--	130	8.1	17.0	24.0	7.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983 11...	0900	6.3	1.3	20	57	120	399	.54	12	.05
NOV 15...	1635	10.2	1.1	28	64	120	430	.58	14	.32
DEC 06...	1440	11.5	1.3	110	50	92	349	.47	17	.43
JAN, 1984 10...	1545	15.5	1.8	4	48	60	272	.37	11	.41
FEB 07...	1600	16.9	4.4	<4	55	93	325	.44	20	.01
MAR 06...	1515	11.3	2.5	200	--	210	516	.70	45	--
APR 17...	1530	9.6	1.7	30	48	82	357	.49	58	.89
MAY 15...	1550	8.6	2.2	300	51	68	290	.39	43	.67
JUN 12...	1500	7.7	1.1	20	45	--	345	.47	--	.76
JUL 24...	1500	6.3	1.5	4	--	110	382	.52	14	.07
AUG 28...	0830	7.6	1.5	10	56	5.0	427	.58	8	.06
SEP 25...	1620	7.1	2.2	68	53	13	405	.55	17	.06

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983 11...	0900	.070	.070	.020	0	1	17	15	20
NOV 15...	1635	<.010	.090	.080	0	17	13	35	20
DEC 06...	1440	.020	.090	.020	0	2	14	50	30
JAN, 1984 10...	1545	.050	.120	.030	0	--	46	210	30
FEB 07...	1600	.030	.090	<.010	0	<1	--	56	--
MAR 06...	1515	--	--	.080	0	1	11	--	20
APR 17...	1530	.100	.170	.090	0	3	15	--	40
MAY 15...	1550	<.010	.140	.040	0	3	--	--	30
JUN 12...	1500	.030	.150	.050	1	2	27	47	60
JUL 24...	1500	.070	.080	.040	0	<1	21	44	0
AUG 28...	0830	.010	.080	.040	0	<1	23	27	40
SEP 25...	1620	.060	.080	.070	0	2	36	32	20

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983 15...	1635	.000	.000	.000	.000	.000	.00	.00	.0
DEC, 1983 06...	1440	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984 10...	1545	.000	.000	.000	.000	.000	.00	.00	.0
FEB 07...	1600	.000	.000	.000	.000	.000	.00	.00	.0
MAR 06...	1515	.000	.000	.000	.000	.000	.00	.00	.0
APR 17...	1530	.000	.000	.000	.000	.000	.00	.00	.0
SEP 25...	1620	.000	.000	.000	.000	.000	.00	<.01	.0

07257000 BIG PINEY CREEK NEAR DOVER, AR

LOCATION.--Lat 35°32'58", long 93°09'30", in SW 1/4 NE 1/4 sec.6, T.10 N., R.20 W., Pope County, Hydrologic Unit 11110202, on left bank 7.2 mi downstream from Indian Creek, 10.4 mi north of Dover, and at mile 28.0.

DRAINAGE AREA.--274 mi^2.

PERIOD OF RECORD.--October 1950 to current year. Prior to October 1967, published as "Piney Creek near Dover."

REVISED RECORDS.--WRD Ark. 1972: 1949(M), 1953(M), 1957(M), 1961(M), 1966(M), 1968-69(M).

GAGE.--Water-stage recorder. Datum of gage is 487.66 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Record good.

AVERAGE DISCHARGE.--34 years, 399 ft^3/s, 19.78 in/yr, 289,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 111,000 ft^3/s Dec. 3, 1982, gage height, 33.87 ft, from rating curve extended above 45,000 ft^3/s on basis of contracted-opening measurement of peak flow; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 24, 1949, reached a stage of 25.6 ft, from floodmarks, discharge, about 55,800 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 7,000 ft^3/s and maximum (*)

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 6	1800	19,600	15.70
May 7	1800	*21,000	16.19

No flow, Oct. 6-11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.11	.83	125	70	163	1020	854	460	500	20	1.6	.57
2	.08	.80	120	65	157	1010	785	450	395	18	1.6	.48
3	.07	.75	638	60	158	1030	1210	650	307	16	2.4	.72
4	.07	.70	1020	60	160	2500	1040	708	243	14	2.0	.66
5	.02	.62	576	62	151	4000	880	661	203	8.6	1.4	.65
6	.00	.60	374	68	134	1800	782	4710	197	12	1.1	.60
7	.00	.55	263	73	123	1300	705	9770	229	11	.88	.52
8	.00	.55	205	73	113	1100	1410	4700	201	10	1.1	.43
9	.00	.62	169	73	109	920	2220	2080	160	9.7	2.0	.70
10	.00	.70	156	91	116	780	1590	1510	127	8.6	1.9	.91
11	.02	.70	1700	127	151	670	1250	1080	102	8.0	1.4	1.0
12	.30	.69	951	139	3890	800	1030	846	84	7.0	1.3	1.1
13	.25	.70	676	139	2290	1200	852	678	70	6.1	1.1	.93
14	.25	.78	584	135	1540	950	741	548	61	5.6	4.8	2.6
15	.27	.88	482	128	1200	880	662	433	53	5.1	6.1	7.2
16	.24	.93	383	119	1030	830	591	359	45	5.3	5.1	6.7
17	.25	1.0	300	113	887	1000	526	286	39	4.9	4.0	4.8
18	.26	1.3	260	111	829	1900	467	231	44	4.0	3.5	3.9
19	.24	82	230	92	833	2100	419	191	36	3.7	3.2	3.2
20	.25	177	210	88	761	1700	392	178	36	3.4	2.6	2.5
21	.87	91	190	78	707	1100	904	173	64	2.9	2.2	2.2
22	1.4	59	170	77	667	820	1090	160	71	2.5	2.0	2.9
23	1.3	754	155	90	629	726	854	150	51	2.2	1.8	137
24	1.1	486	150	111	594	1090	746	140	39	1.9	1.4	106
25	1.1	198	150	140	553	1090	662	130	31	1.8	1.2	64
26	1.1	126	110	165	660	944	610	1200	27	2.2	1.1	536
27	.99	182	100	178	2550	854	570	3500	25	2.7	.84	207
28	.99	417	95	183	1610	1250	530	2100	24	2.2	.81	109
29	.97	256	90	184	1190	1460	500	1400	24	2.2	.74	75
30	.92	172	85	183	---	1130	480	826	24	2.2	.75	58
31	.86	---	80	175	---	955	---	643	---	1.8	.68	---
TOTAL	14.28	3013.70	10797	3450	23955	38909	25352	40951	3512	205.6	62.60	1337.27
MEAN	.46	100	348	111	826	1255	845	1321	117	6.63	2.02	44.6
MAX	1.4	754	1700	184	3890	4000	2220	9770	500	20	6.1	536
MIN	.00	.55	80	60	109	670	392	130	24	1.8	.68	.43
CFSM	.00	.36	1.27	.41	3.01	4.58	3.08	4.82	.43	.02	.01	.16
IN.	.00	.41	1.47	.47	3.25	5.28	3.44	5.56	.48	.03	.01	.18
AC-FT	28	5980	21420	6840	47510	77180	50290	81230	6970	408	124	2650

CAL YR 1983 TOTAL 131870.31 MEAN 361 MAX 4300 MIN .00 CFSM 1.32 IN. 17.90 AC-FT 261600
WTR YR 1984 TOTAL 151559.45 MEAN 414 MAX 9770 MIN .00 CFSM 1.51 IN. 20.58 AC-FT 300600

07257006 BIG PINEY CREEK AT HIGHWAY 164 NEAR DOVER, AR

LOCATION.--Lat 35°30'48", long 93°10'24", in SE 1/4 NW 1/4 sec.25, R.20 W., T.9 N., Pope County, Hydrologic Unit 11110202, at bridge on State Highway 164 near Dover.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (0C028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
NOV, 1983										
01...	0905	9	9827	9827	.90	6.9	18.0	16.0	2.8	--
29...	0920	9	9827	9827	276	6.9	4.0	7.0	15	11.4
JAN, 1984										
03...	0925	9	9827	9827	64	6.9	.0	.0	5.0	14.1
31...	1015	9	9827	9827	189	6.8	5.0	3.0	5.0	13.6
FEB										
28...	1225	9	9827	9827	1740	6.6	4.0	.0	15	12.3
APR										
24...	1115	9	9827	9827	806	6.9	27.0	16.0	5.7	10.4
MAY										
01...	1100	9	9827	9827	497	6.8	21.0	18.0	9.3	10.0
29...	--	9	9827	9827	1510	6.7	19.0	12.0	18	9.4
JUL										
24...	1100	9	9827	9827	2.0	7.1	29.0	29.0	3.0	9.4
AUG										
07...	1035	9	9827	9827	.95	7.2	30.0	29.0	2.0	8.8
SEP										
04...	1110	9	9827	9827	.71	7.2	22.0	25.0	2.0	8.7

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	0905	1.1	68	2.0	6.5	51	.07	4	.02
29...	0920	1.0	80	2.0	7.5	60	.08	4	.08
JAN, 1984									
03...	0925	.3	4	<1.0	4.5	53	.07	4	--
31...	1015	.3	4	1.0	5.5	37	.05	3	.04
FEB									
28...	1225	1.1	36	3.0	2.0	40	.05	4	.10
APR									
24...	1115	1.0	40	6.0	2.0	32	.04	2	.04
MAY									
01...	1100	1.1	100	2.0	1.5	40	.05	3	.03
29...	--	1.1	K80	5.0	2.0	39	.05	5	.06
JUL									
24...	1100	3.3	180	3.0	3.0	44	.06	6	.05
AUG									
07...	1035	3.0	40	--	--	46	.06	--	.03
SEP									
04...	1110	3.0	20	3.0	3.5	39	.05	2	.01

07257006 BIG PINEY CREEK AT HIGHWAY 164 NEAR DOVER, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	0905	.060	.010	<.010	--	<1	<10	12	--
29...	0920	.010	.030	<.010	3	1	<10	37	30
JAN, 1984									
03...	0925	.050	.020	.010	--	<1	--	--	--
31...	1015	.020	.010	<.010	3	2	25	25	30
FEB									
28...	1225	.010	.030	.030	0	2	<10	1	--
APR									
24...	1115	.020	.030	.010	0	<1	<10	<1	20
MAY									
01...	1100	.020	--	--	0	<1	<10	<1	0
29...	--	.120	--	.020	0	<1	<10	<1	0
JUL									
24...	1100	.010	.030	.020	0	<1	<10	<1	0
AUG									
07...	1035	--	<.010	<.010	1	<1	<10	<1	0
SEP									
04...	1110	<.010	.020	<.010	--	<1	<10	--	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
07...	1035	.000	.000	.000	.000	.000	.00	<.01	.0

07257690 ILLINOIS BAYOU NEAR DOVER, AR

LOCATION.--Lat 35°24'36", long 93°06'00", in SW 1/4 SW 1/4 sec.21, T.8 N., R.20 W., Pope County, Hydrologic Unit 11110202, at bridge on State Highway 7, 2 mi northwest of Dover.

PERIOD OF RECORD.--November 1984 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983										
01...	0845	9	9827	9827	.00	6.7	17.0	16.0	6.0	--
29...	0900	9	9827	9827	543	6.5	3.0	7.0	15	11.8
JAN, 1984										
03...	0900	9	9827	9827	36	6.4	-1.0	.0	4.0	14.1
31...	1000	9	9827	9827	95	6.5	3.0	4.0	5.0	13.1
FEB										
28...	1205	9	9827	9827	1190	6.4	5.0	1.0	15	12.3
APR										
24...	1055	5	9827	9827	579	6.7	27.0	15.0	6.9	10.5
MAY										
01...	1046	9	9827	9827	199	6.3	23.0	18.0	4.8	9.5
29...	--	9	9827	9827	352	6.6	25.0	18.0	18	9.3
JUL										
24...	1030	9	9827	9827	.00	6.8	28.0	28.0	3.6	8.0
AUG										
07...	1005	9	9827	9827	.00	6.7	30.0	27.0	3.0	7.4
SEP										
04...	1050	9	9827	9827	.00	6.8	21.0	25.0	5.0	8.0

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	0845	1.5	16	1.0	8.5	46	.06	14	.02
29...	0900	1.2	120	<1.0	4.5	45	.06	4	.30
JAN, 1984									
03...	0900	.3	4	<1.0	4.5	36	.05	1	--
31...	1000	.4	8	1.0	4.0	26	.04	1	.17
FEB									
28...	1205	2.2	96	4.0	3.0	36	.05	6	.18
APR									
24...	1055	2.3	30	5.0	2.0	30	.04	2	.06
MAY									
01...	1046	.4	10	2.0	1.5	31	.04	<1	.05
29...	--	1.1	K150	4.0	2.0	40	.05	5	.11
JUL									
24...	1030	4.9	100	3.0	5.5	35	.05	8	.06
AUG									
07...	1005	4.1	52	--	--	44	.06	<1	.06
SEP									
04...	1050	1.7	32	4.0	7.0	35	.05	6	.01

07257690 ILLINOIS BAYOU NEAR DOVER, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	0845	.030	.010	<.010	0	<1	<10	<1	--
29...	0900	.010	.020	<.010	0	1	<10	<1	0
JAN, 1984									
03...	0900	.050	.140	<.010	0	1	--	--	--
31...	1000	.040	.020	<.010	0	<1	<10	<1	0
FEB									
28...	1205	.020	.040	.030	0	1	<10	<1	--
APR									
24...	1055	.050	.030	.010	0	<1	<10	<1	0
MAY									
01...	1046	.030	--	--	0	<1	<10	<1	0
29...	--	.130	--	.020	0	3	<10	<1	0
JUL									
24...	1030	.030	.030	.020	4	<1	<10	<1	0
AUG									
07...	1005	<.010	<.010	<.010	2	<1	<10	<1	10
SEP									
04...	1050	<.010	.050	<.010	--	<1	<10	--	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
07...	1005	.000	.000	.000	.000	.000	.00	<.01	.0

07258000 ARKANSAS RIVER AT DARDANELLE, AR

LOCATION.--Lat 35°13'34", long 93°08'58", in SW 1/4 sec.29, T.7 N., R.20 W., Pope County, Hydrologic Unit 11110203, near left bank on upstream side of bridge on State Highway 7 at Dardanelle, 1.0 mi upstream from Whig Creek, 2.0 mi downstream from Dardanelle Dam, 4.7 mi downstream from Illinois Bayou, and at mile 219.5.

DRAINAGE AREA.--153,670 mi^2, of which 22,241 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1937 to current year. Gage-height records collected at same site since 1886 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder at bridge, and totalizing flowmeters on each turbine in Dardanelle Dam 2.0 mi upstream. Datum of gage is 280.16 ft National Geodetic Vertical Datum of 1929. Prior to Jan. 11, 1939, nonrecording gage at same site at datum 10.0 ft higher. Jan. 11, 1939, to Dec. 10, 1970, water-stage recorder at same site at datum 10.0 ft higher.

REMARKS.--Records good. Flow regulated upstream by many locks, dams, and reservoirs. Daily discharge below about 50,000 ft^3/s determined from flow through turbines.

AVERAGE DISCHARGE.--47 years, 34,820 ft^3/s, 25,230,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683,000 ft^3/s May 13, 14, 1943; maximum gage height, 43.60 ft, in gage well, 44.1 ft from outside gage, May 25, 1943, present datum; minimum daily discharge, 40 ft^3/s Sept. 18, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 19, 1927, reached a stage of 43.0 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 139,000 ft^3/s Apr. 12, gage height, 24.7 ft, from graph based on once-daily readings; minimum daily, 50 ft^3/s Dec. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	808	32200	30300	130	15900	50100	136000	54000	58800	18400	8400	4790
2	206	33600	29300	1620	15500	41500	136000	60900	59000	15200	3600	3060
3	1010	40000	35200	9080	12700	43100	131000	77200	58700	26100	5060	205
4	1810	40000	34700	5520	10100	44300	132000	66600	56000	18800	2870	207
5	1950	36800	34700	12500	7690	62800	128000	60800	48400	21600	2720	3780
6	1410	29800	35600	12300	12300	66300	131000	71000	43300	16100	5350	6270
7	3630	25800	32000	249	14900	61000	129000	94900	33500	10700	6310	9480
8	1360	19200	29000	2520	10700	60800	132000	110000	34500	10200	10700	6320
9	2560	26800	35300	7390	8390	56400	137000	88400	29800	16500	8050	3200
10	166	32400	25100	11600	9680	61400	135000	76900	25900	9920	11200	4580
11	1180	29000	35300	5780	6180	51400	137000	66000	29900	16800	6910	7850
12	2680	27000	25700	13000	31200	44300	138000	57900	29400	14500	3260	4920
13	1570	18800	18800	11100	33800	59300	134000	53100	31200	14400	7000	11000
14	807	15800	31400	2020	21900	53300	131000	53400	30400	10700	12700	10400
15	1950	26800	24500	1270	29600	51400	127000	49200	30300	3540	6710	750
16	374	17000	12700	12300	20400	52300	128000	44600	30100	5430	6280	172
17	4070	12600	8710	7940	20400	53800	125000	46800	32800	8110	10200	2710
18	3230	13800	2730	10500	19500	63900	114000	48200	29500	3780	8790	57
19	9920	23000	13800	17200	20500	57700	112000	47700	32900	5840	2950	2840
20	15400	19600	20900	18600	9290	70300	109000	49000	28400	11600	4330	3440
21	32200	14200	19900	10000	18300	86000	110000	49400	26100	3410	6930	2720
22	41600	13200	15300	89	16400	90000	117000	41700	32800	3500	10700	1630
23	39800	33800	17400	5520	15400	96800	116000	33200	32400	10400	4590	170
24	37600	32200	17700	7020	20700	101000	116000	37000	24400	5490	3980	6080
25	48000	24000	13100	6970	3370	114000	111000	36800	25200	8120	324	1690
26	39000	24600	50	8730	12500	122000	107000	21000	21300	7270	248	19300
27	40000	35000	9060	4530	41100	122000	93500	49800	25800	7630	10800	7920
28	33200	38900	9850	2960	61900	122000	78400	85300	27400	3270	7960	4560
29	34800	35300	8350	1730	58600	128000	65600	108000	23000	324	9520	3060
30	29200	33600	7240	8500	---	131000	66300	94100	19000	4830	8410	1680
31	29200	---	90	9020	---	134000	---	65500	---	4880	10800	---
TOTAL	460691	804800	633780	227888	578900	2352200	3563800	1898400	1010200	317344	207652	134841
MEAN	14860	26830	20440	7351	19960	75880	118800	61240	33670	10240	6698	4495
MAX	48000	40000	35600	18800	61900	134000	138000	110000	59000	26100	12700	19300
MIN	166	12600	50	89	3370	41500	66300	21000	19000	324	248	57
AC-FT	913800	1596000	1257000	452000	1148000	4666000	7069000	3765000	2004000	629500	411900	267500

CAL YR 1983 TOTAL 13932171 MEAN 38170 MAX 131000 MIN 50 AC-FT 27630000
WTR YR 1984 TOTAL 12190496 MEAN 33310 MAX 138000 MIN 50 AC-FT 24180000

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1949-61, August 1961 to August 1963, July 1971 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1948 to September 1961.
WATER TEMPERATURES: October 1948 to September 1961, July 1971 to current year.
SUSPENDED SEDIMENT DISCHARGE: October 1967 to current year.

COOPERATION.--Sediment records furnished by Corps of Engineers, Little Rock, Ark. Chemical records furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTHEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	STREAM- FLOW, INSTAN- TANEOUA (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)
OCT, 1983										
04...	1230	9	9827	9827	--	50	7.9	27.0	23.0	7.5
NOV										
01...	0950	9	9827	9827	32200	--	8.0	19.0	18.0	20
29...	1000	9	9827	9827	35300	--	8.0	4.0	9.0	20
JAN, 1984										
03...	1005	9	9827	9827	--	21300	7.7	.0	.0	10
31...	1100	9	9827	9827	--	10400	7.9	5.0	4.0	6.0
FEB										
28...	1135	9	9827	9827	61900	--	8.0	4.0	1.0	35
APR										
24...	1025	9	9827	9827	116000	--	7.9	22.0	16.0	65
MAY										
01...	1005	9	9827	9827	54000	--	7.6	19.0	18.0	50
29...	1225	9	9827	9827	108000	--	7.8	21.0	24.0	45
JUL										
24...	1200	9	9827	9827	--	9920	8.0	30.0	30.0	6.4
AUG										
07...	1200	9	9827	9827	--	50	7.9	33.0	29.0	6.0
SEP										
04...	1215	9	9827	9827	--	50	8.3	22.0	27.0	6.0

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983										
04...	1230	7.0	2.3	490	--	16	466	.63	14	.19
NOV										
01...	0950	--	1.6	80	66	160	484	.66	21	.18
29...	1000	11.9	1.8	48	59	120	399	.54	19	.33
JAN, 1984										
03...	1005	13.6	1.0	16	37	53	255	.35	9	--
31...	1100	14.6	1.9	44	45	50	246	.33	8	.34
FEB										
28...	1135	13.4	3.1	30	43	90	288	.39	40	.03
APR										
24...	1025	12.0	1.5	<10	52	72	317	.43	55	.85
MAY										
01...	1005	9.7	1.2	10	47	69	315	.43	41	.88
29...	1225	10.7	1.7	120	58	89	371	.50	45	.71
JUL										
24...	1200	6.7	5.4	650	52	78	326	.44	14	.15
AUG										
07...	1200	5.9	3.3	2500	--	--	362	.49	8	.12
SEP										
04...	1215	8.5	3.9	--	54	110	401	.55	0	.31

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
04...	1230	.030	.100	.010	1	<1	22	12	20
NOV									
01...	0950	.130	.100	.040	0	7	12	10	--
29...	1000	.060	.080	.030	3	2	11	15	40
JAN, 1984									
03...	1005	.070	.170	.050	--	3	--	--	--
31...	1100	.050	.180	.020	10	2	16	28	40
FEB									
28...	1135	.040	.130	.040	0	3	22	59	--
APR									
24...	1025	.090	.150	.100	0	2	21	37	70
MAY									
01...	1005	.090	--	--	0	1	<10	30	140
29...	1225	.150	--	.090	0	2	<10	6	20
JUL									
24...	1200	<.010	.070	.030	1	<1	16	2	0
AUG									
07...	1200	.050	.060	.040	0	<1	<10	<1	0
SEP									
04...	1215	<.010	.120	.080	--	<1	<10	--	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
OCT, 1983									
04...	1230	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984									
31...	1100	.000	.000	.000	.000	.000	.00	.00	.0
SEP									
04...	1215	.000	.000	.000	.000	.000	.00	<.01	.0

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.0	21.5	22.0	17.0	17.0	17.0	9.0	9.0	9.0	1.0	1.0	1.0
2	22.0	21.5	22.0	17.5	17.0	17.5	9.0	8.5	8.5	1.0	1.0	1.0
3	22.5	21.5	22.0	17.5	17.5	17.5	8.5	8.5	8.5	1.0	1.0	1.0
4	22.0	21.5	21.5	17.5	17.5	17.5	8.5	8.5	8.5	1.0	1.0	1.0
5	21.5	21.0	21.5	17.5	17.5	17.5	8.5	8.0	8.5	2.0	1.0	1.5
6	22.0	21.5	22.0	17.5	17.0	17.5	8.0	7.5	8.0	2.0	2.0	2.0
7	22.0	21.5	22.0	17.0	16.5	17.5	7.5	7.5	7.5	2.0	2.0	2.0
8	22.0	21.5	21.5	16.5	16.0	16.5	7.5	7.0	7.5	2.0	2.0	2.0
9	22.0	22.0	22.0	16.5	15.5	16.0	7.0	7.0	7.0	2.0	2.0	2.0
10	23.0	22.0	22.0	15.5	14.5	15.0	7.0	7.0	7.0	2.5	2.0	2.5
11	22.5	22.0	22.0	14.5	14.0	14.0	7.5	7.0	7.0	2.5	2.5	2.5
12	22.0	21.5	22.0	14.0	13.0	14.0	7.5	7.5	7.5	2.5	2.5	2.5
13	21.5	20.5	21.5	13.0	12.5	12.5	7.5	7.0	7.0	2.5	2.5	2.5
14	20.5	20.5	20.5	12.5	12.5	12.5	7.0	7.0	7.0	3.0	2.5	2.5
15	20.5	20.5	20.5	12.5	12.5	12.5	7.0	7.0	6.5	2.5	2.5	2.5
16	21.5	20.5	21.0	12.5	12.5	12.5	6.5	6.5	6.0	2.5	2.5	2.5
17	20.5	20.0	20.5	12.5	12.0	12.0	6.0	6.0	6.0	2.5	2.0	2.5
18	20.5	20.0	20.0	12.0	11.5	11.5	6.0	6.0	6.0	2.0	2.0	2.0
19	20.0	20.0	20.0	12.0	12.0	12.0	6.0	6.0	5.5	---	---	---
20	20.0	20.0	20.0	12.0	12.0	12.0	5.5	5.5	5.0	---	---	---
21	20.0	20.0	20.0	12.0	12.0	12.0	4.5	4.5	4.5	---	---	---
22	20.0	19.5	20.0	12.0	12.0	12.0	4.0	4.0	4.0	2.0	1.5	1.5
23	19.5	19.0	19.5	12.5	12.0	12.0	3.5	3.5	3.0	1.5	1.5	1.5
24	19.0	18.5	19.0	12.5	12.0	12.5	2.5	1.5	2.0	1.5	1.5	1.5
25	18.5	18.0	18.5	12.0	11.5	11.5	1.5	1.0	1.5	1.5	1.5	1.5
26	18.0	18.0	18.0	11.5	11.0	11.5	1.0	1.0	1.0	2.0	1.5	1.5
27	18.0	17.5	18.0	11.0	11.0	11.0	1.0	.5	.5	2.0	2.0	2.0
28	17.5	17.5	17.5	11.0	10.0	10.5	.5	.5	.5	2.0	2.0	2.0
29	17.5	17.0	17.5	10.0	9.5	9.5	.5	.5	.5	2.5	2.0	2.5
30	17.5	17.0	17.5	9.5	9.0	9.5	.5	.5	.5	3.0	2.5	2.5
31	17.0	17.0	17.0	---	---	---	1.0	.5	.5	3.5	3.0	3.0
MONTH	23.0	17.0	20.5	17.5	9.0	13.5	9.0	.5	5.0	3.5	1.0	2.0
		FEBRUARY			MARCH			APRIL			MAY	
1	4.0	3.5	4.0	6.5	6.5	6.5	9.5	9.5	9.5	17.0	17.0	17.0
2	4.0	4.0	4.0	6.5	6.5	6.5	9.5	9.5	9.5	17.5	17.0	17.5
3	4.0	4.0	4.0	6.5	6.5	6.5	9.5	9.5	9.5	17.5	17.5	17.5
4	4.5	4.0	4.5	7.5	6.5	7.0	9.5	9.5	9.5	17.5	17.5	17.5
5	4.5	4.5	4.5	7.5	7.5	7.5	9.5	9.5	9.5	17.5	17.5	17.5
6	4.5	4.5	4.5	7.5	7.5	7.5	10.0	9.5	10.0	17.5	17.5	17.5
7	4.5	4.0	4.5	7.5	7.5	7.5	10.5	10.0	10.5	17.5	17.5	17.5
8	4.0	4.0	4.0	7.5	7.5	7.5	10.5	10.5	10.5	17.5	17.0	17.0
9	4.0	4.0	4.0	7.5	7.5	7.5	10.5	10.5	10.5	18.0	17.0	17.5
10	4.0	4.0	4.0	7.5	7.5	7.5	11.0	10.5	11.0	18.5	18.0	18.0
11	4.5	4.0	4.5	7.5	7.5	7.5	11.5	11.0	11.5	19.0	18.5	18.5
12	5.0	4.5	4.5	7.5	7.5	7.5	12.5	11.5	12.0	19.5	19.0	19.0
13	6.5	5.0	6.0	8.0	7.5	7.5	12.5	12.5	12.5	21.5	19.5	20.0
14	6.5	6.5	6.5	8.0	8.0	8.0	12.5	12.5	12.5	21.5	21.5	21.5
15	7.0	6.5	6.5	8.5	8.0	8.5	12.5	12.5	12.5	21.5	21.5	21.5
16	7.5	7.0	7.0	9.0	8.5	8.5	12.5	12.5	12.5	21.5	21.5	21.5
17	8.5	7.5	8.0	9.5	9.0	9.5	12.5	12.5	12.5	21.5	21.5	21.5
18	8.5	8.5	8.5	9.5	9.5	9.5	12.5	12.5	12.5	21.5	21.5	21.5
19	9.0	8.5	8.5	9.5	9.5	9.5	13.0	12.5	12.5	22.0	21.5	21.5
20	9.0	9.0	9.0	9.5	9.5	9.5	13.0	13.0	13.0	22.0	22.0	22.0
21	9.0	9.0	9.0	9.5	9.0	9.5	13.0	13.0	13.0	22.0	22.0	22.0
22	9.0	9.0	9.0	9.5	9.5	9.5	13.5	13.0	13.5	22.0	22.0	22.0
23	9.0	8.5	9.0	9.5	9.5	9.5	13.5	13.0	13.0	23.0	22.5	22.0
24	8.5	8.0	8.0	9.5	9.5	9.5	13.5	13.0	13.5	23.0	23.0	23.0
25	8.5	8.0	8.0	9.5	9.5	9.5	14.5	13.5	14.0	23.0	23.0	23.0
26	8.5	8.0	8.5	9.5	9.5	9.5	14.5	14.5	14.5	23.0	23.0	23.0
27	8.0	8.0	8.0	9.5	9.5	9.5	15.5	14.5	15.0	23.0	23.0	23.0
28	8.0	7.0	7.5	9.5	9.5	9.5	16.0	15.5	15.5	23.0	23.0	23.0
29	7.0	6.5	6.5	9.5	9.5	9.5	16.0	16.5	16.0	23.0	22.0	22.5
30	---	---	---	10.0	9.5	9.5	17.0	16.5	16.5	22.0	22.0	22.0
31	---	---	---	10.0	9.5	10.0	---	---	---	22.0	22.0	22.0
MONTH	9.0	3.5	6.5	10.0	6.5	8.5	17.0	9.5	12.5	23.0	17.0	20.5

BEST COPY AVAILABLE

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.0	22.0	22.0	30.0	29.5	29.5	28.0	27.5	27.5	28.0	28.0	28.0
2	22.5	22.0	22.0	29.5	29.5	29.5	28.0	27.5	27.5	28.0	27.5	28.0
3	23.0	22.0	22.5	29.5	29.0	29.0	27.5	27.0	27.5	28.0	27.5	28.0
4	22.5	22.5	22.5	29.5	29.0	29.0	27.0	27.0	27.0	27.5	27.0	27.5
5	23.0	23.0	23.0	29.5	29.0	29.5	27.5	27.0	27.5	27.5	27.0	27.0
6	22.5	22.5	22.5	30.0	29.5	29.5	27.0	27.0	27.0	27.0	27.0	27.0
7	23.0	23.0	23.0	30.0	30.0	30.0	27.0	27.0	27.0	27.0	26.5	26.5
8	23.5	23.0	23.5	30.0	29.0	29.5	27.0	26.5	26.5	26.5	26.0	26.5
9	24.0	23.5	23.5	29.0	29.0	29.0	27.0	26.5	26.5	26.0	26.0	26.0
10	24.5	24.0	24.5	29.0	28.5	28.5	26.5	26.5	26.5	26.5	26.0	26.0
11	25.0	24.5	24.5	29.0	29.0	29.0	27.0	26.5	26.5	26.0	25.5	26.0
12	25.0	25.0	25.0	29.0	29.0	29.0	27.5	27.0	27.0	26.5	25.5	26.0
13	26.0	25.5	25.5	29.0	29.0	29.0	27.0	27.0	27.0	25.5	25.0	25.5
14	27.0	26.5	26.5	29.0	29.0	29.0	27.0	26.5	27.0	26.0	25.5	25.5
15	27.0	27.0	27.0	29.0	29.0	29.0	27.0	26.5	27.0	26.0	25.5	26.0
16	27.0	27.0	27.0	29.5	29.0	29.0	27.0	27.0	27.0	25.5	25.0	25.5
17	27.0	27.0	27.0	29.0	29.0	29.0	27.5	27.0	27.0	25.0	24.0	24.5
18	28.0	27.0	27.5	29.5	29.0	29.0	27.5	27.0	27.0	25.5	24.5	25.0
19	28.5	28.0	28.0	29.0	28.5	29.0	27.5	27.5	27.5	25.0	24.5	25.0
20	29.0	28.5	28.5	28.5	28.0	28.5	28.0	27.5	27.5	24.5	24.5	24.5
21	29.0	28.5	28.5	28.5	28.0	28.0	27.5	27.5	27.5	24.0	24.0	24.0
22	29.0	29.0	29.0	28.5	28.0	28.5	28.0	27.5	27.5	24.0	24.0	24.0
23	30.0	29.0	29.5	28.5	28.0	28.5	28.5	28.0	28.0	25.0	24.0	24.5
24	30.0	30.0	30.0	28.5	28.0	28.0	28.5	28.0	28.0	24.5	24.0	24.5
25	30.0	30.0	30.0	28.5	28.0	28.5	28.0	27.5	28.0	25.0	24.0	24.0
26	30.0	30.0	30.0	29.0	28.0	28.5	29.0	27.5	28.0	24.0	23.5	24.0
27	30.0	30.0	30.0	29.0	28.5	29.0	28.5	28.0	28.0	23.5	23.0	23.0
28	30.0	30.0	30.0	29.0	28.5	29.0	28.0	28.0	28.0	23.0	22.5	23.0
29	30.0	30.0	30.0	28.5	28.0	28.5	28.0	28.0	28.0	22.5	22.0	22.0
30	30.0	30.0	30.0	28.0	28.0	28.0	28.0	27.5	28.0	22.0	21.0	21.5
31	---	---	---	28.0	27.5	27.5	28.0	27.5	28.0	---	---	---
MONTH	30.0	22.0	26.5	30.0	27.5	29.0	29.0	26.5	27.5	28.0	21.0	25.5

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR

LOCATION.--Lat 35°06'25", long 93°55'25", in NW 1/4 NW 1/4 sec.18, T.5 N., R.27 W., Logan County, Hydrologic Unit 11110204, on right bank at downstream side of bridge on State Highway 23, 0.5 mi downstream from Fletcher Creek, 2.3 mi south of Booneville, and at mile 102.3.

DRAINAGE AREA.--241 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1938 to September 1984. (Discontinued as a continuous-record station, converted to a crest-stage partial-record station.) Prior to October 1965, published as "Petit Jean Creek near Booneville."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 423.39 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years (1939-84), 246 ft^3/s, 13.86 in/yr, 178,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,200 ft^3/s Apr. 16, 1939, gage height, 23.42 ft, from rating curve extended above 20,500 ft /s on basis of slope-area and contracted-opening measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,620 ft^3/s May 3 at 0400 hours, gage height 15.61 ft, no other peak above base of 4,000 ft^3/s; no flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.10	35	11	49	280	386	39	58	.63	1.8	.53
2	.00	.07	30	12	47	260	336	1460	44	.54	1.9	.85
3	.00	.05	30	14	48	240	381	3690	35	.50	33	36
4	.00	.05	270	16	48	660	307	1280	29	1.4	13	6.9
5	.00	.03	240	19	43	420	247	905	23	24	5.5	2.7
6	.00	.00	140	21	36	320	209	692	21	5.4	3.0	1.3
7	.00	.00	110	21	30	260	184	832	17	6.6	1.6	.63
8	.00	.00	90	20	30	220	429	1020	15	4.3	.75	.36
9	.00	.05	80	21	32	190	640	497	13	2.8	.91	1.1
10	.00	.14	65	127	39	180	406	323	12	1.9	1.1	1.1
11	.03	.15	60	148	65	180	313	230	9.7	1.2	.74	.95
12	.27	.15	55	147	2200	1100	255	174	8.3	1.9	1.3	1.2
13	.30	.11	190	130	800	900	203	131	7.5	1.6	1.1	.88
14	.22	.10	150	100	450	700	166	99	6.4	9.0	.69	.63
15	.18	.08	110	81	350	496	141	75	5.2	15	.50	.47
16	.11	.08	95	73	300	647	123	60	4.5	6.7	.40	.33
17	.13	.10	80	68	240	540	107	49	4.5	4.6	.30	.19
18	.18	.17	70	61	200	462	90	41	4.5	2.9	.24	.10
19	.23	9.7	60	61	178	656	77	36	6.3	1.7	.17	.04
20	.25	6.6	55	41	162	462	70	37	18	1.2	.15	.00
21	.36	2.7	51	34	143	341	71	68	11	1.0	.08	.00
22	.34	4.3	42	31	124	279	69	54	15	.77	.05	153
23	.28	186	34	44	108	250	56	33	6.9	.54	.02	131
24	.23	109	26	86	93	567	50	26	3.9	.44	.00	29
25	.18	36	19	96	78	508	43	21	2.5	.33	.00	17
26	.15	20	16	90	1400	383	36	500	1.8	.30	.00	56
27	.15	17	16	83	540	388	34	947	1.4	.21	.00	318
28	.13	43	17	75	400	1190	28	290	1.1	.08	.00	149
29	.12	48	16	70	330	1120	37	181	.79	.66	.04	70
30	.10	32	13	65	---	672	41	120	.71	4.5	4.7	39
31	.10	---	11	55	---	474	---	81	---	3.0	1.1	---
TOTAL	4.04	515.73	2276	1921	8563	15345	5535	13991	387.00	105.70	74.14	1018.26
MEAN	.13	17.2	73.4	62.0	295	495	185	451	12.9	3.41	2.39	33.9
MAX	.36	186	270	148	2200	1190	640	3690	58	24	33	318
MIN	.00	.00	11	11	30	180	28	21	.71	.08	.00	.00
CFSM	.00	.07	.30	.26	1.22	2.05	.77	1.87	.05	.01	.01	.14
IN.	.00	.08	.35	.30	1.32	2.37	.85	2.16	.06	.02	.01	.16
AC-FT	8.0	1020	4510	3810	16980	30440	10980	27750	768	210	147	2020

CAL YR 1983 TOTAL 74073.89 MEAN 203 MAX 5610 MIN .00 CFSM .84 IN. 11.43 AC-FT 146900
WTR YR 1984 TOTAL 49735.87 MEAN 136 MAX 3690 MIN .00 CFSM .56 IN. 7.68 AC-FT 98650

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
11...	1220	9	9827	9827	.00	7.2	28.0	20.0	6.0	5.0
NOV										
15...	1300	9	9827	9827	.10	7.0	18.0	12.0	4.0	4.9
DEC										
06...	1130	9	9827	9827	140	6.6	6.0	7.0	50	10.3
JAN, 1984										
10...	1243	9	9827	9827	145	6.6	15.0	3.0	60	12.5
FEB										
07...	1225	9	9827	9827	30	7.1	18.0	5.0	20	13.1
MAR										
06...	1145	9	9827	9827	320	6.6	16.0	9.0	45	9.1
APR										
17...	1215	9	9827	9827	106	7.1	25.0	11.0	25	9.9
MAY										
15...	1125	9	9827	9827	76	6.8	22.0	22.0	25	7.4
JUN										
12...	1130	9	9827	9827	8.4	7.0	30.0	27.0	20	7.0
JUL										
24...	1125	9	9827	9827	.45	7.1	27.0	26.0	10	5.1
AUG										
28...	1418	9	9827	9827	.00	7.3	35.0	31.0	[illegible].0	6.0
SEP										
25...	1255	9	9827	9827	13	7.1	25.0	25.0	60	5.8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
11...	1220	2.1	12	6.0	6.5	66	.09	6	.06
NOV									
15...	1300	2.7	24	2.0	8.5	98	.13	7	.03
DEC									
06...	1130	1.6	450	10	5.5	78	.11	20	.22
JAN, 1984									
10...	1243	1.6	610	14	9.5	87	.12	35	.33
FEB									
07...	1225	1.8	28	17	9.0	79	.11	8	.08
MAR									
06...	1145	1.4	560	--	4.5	60	.08	29	--
APR									
17...	1215	1.0	50	11	5.5	64	.09	12	.07
MAY									
15...	1125	1.0	100	13	4.5	66	.09	12	.06
JUN									
12...	1130	2.2	100	10	--	61	.08	--	.02
JUL									
24...	1125	1.7	8	--	5.5	70	.10	16	.02
AUG									
28...	1418	1.4	80	5.0	6.0	78	.11	6	.07
SEP									
25...	1255	1.7	480	8.0	4.5	71	.10	38	.24

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
11...	1220	.030	.040	<.010	0	<1	24	10	30
NOV									
15...	1300	<.010	.060	.030	0	<1	12	28	10
DEC									
06...	1130	.050	.080	.010	0	4	14	39	20
JAN, 1984									
10...	1243	.140	.120	.030	0	--	56	130	50
FEB									
07...	1225	<.010	.040	<.010	0	<1	--	58	--
MAR									
06...	1145	--	--	.050	0	<1	15	--	20
APR									
17...	1215	.030	.060	.010	0	2	23	--	20
MAY									
15...	1125	<.010	.050	<.010	0	2	--	--	20
JUN									
12...	1130	<.010	.070	.030	0	<1	10	23	70
JUL									
24...	1125	<.010	.060	.020	0	<1	<10	<1	0
AUG									
28...	1418	.020	.040	.010	0	<1	<10	2	10
SEP									
25...	1255	.070	.120	.070	0	2	21	24	10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
28...	1418	.000	.000	.000	.000	.000	.00	<.01	.0

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR

LOCATION.--Lat 35°06'06", long 93°39'02", in NW 1/4 NW 1/4 sec.15, T.5 N., R.25 W., Yell County, Hydrologic Unit 11110204, at outlet sructure at Blue Mountain Dam on Petit Jean River, 1.9 mi southwest of Waveland, and at mile 74.4.

DRAINAGE AREA.--488 mi^2.

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
OCT								
14...	1030	9	80513	80513	.00	14.0	72	7.8
14...	1033	9	80513	80513	10.0	14.0	72	7.6
14...	1035	9	80513	80513	14.0	14.0	72	7.6

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
14...	1030	18.5	21.6	.60	7.6	82	758
14...	1033	18.5	--	--	7.4	--	--
14...	1035	18.5	--	--	7.4	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV								
01...	0930	9	80513	80513	.00	14.0	78	7.1
01...	0935	9	80513	80513	10.0	14.0	80	7.0
01...	0940	9	80513	80513	14.0	14.0	80	7.0

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
01...	0930	16.5	45.6	1.20	7.6	78	761
01...	0935	16.0	--	--	7.2	--	--
01...	0940	16.0	--	--	7.2	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
05...	1610	9	80513	80513	.00	20.0	64	7.1	10.0	8.5	22.8
05...	1611	9	80513	80010	3.00	20.0	--	--	--	--	--
05...	1615	9	80513	80010	4.00	20.0	64	7.1	--	8.5	--
05...	1618	9	80513	80513	10.0	20.0	64	7.1	--	8.5	--
05...	1620	9	80513	80010	16.0	20.0	64	7.0	--	8.0	--
05...	1625	9	80513	80513	20.0	20.0	64	7.0	--	8.0	--

BEST COPY AVAILABLE

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
05...	1610	.60	10.7	93	749	--	--	--	12	--	--
05...	1611	--	--	--	749	--	--	--	--	--	--
05...	1615	--	10.7	93	749	8	8.3	1.2	--	17	0
05...	1618	--	10.7	--	--	--	--	--	--	--	--
05...	1620	--	10.7	92	749	10	9.5	1.8	--	18	0
05...	1625	--	10.5	--	--	--	--	--	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
05...	1615	0	3.3	8.0	2.2	18	5.0	4.9	.200	.090
05...	1620	0	3.3	8.0	2.3	20	5.0	5.4	.200	.340

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
05...	1611	--	--	--	--	--	--	--	4.90	.800
05...	1615	.11	.20	.40	.030	.010	640	190	--	--
05...	1620	.46	.80	1.0	.040	.010	640	230	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
JAN								
12...	1200	9	80513	80513	.00	20.0	50	6.8
12...	1203	9	80513	80513	10.0	20.0	50	6.8
12...	1205	9	80513	80513	20.0	20.0	52	6.8

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JAN							
12...	1200	4.0	50.4	1.30	12.0	92	757
12...	1203	4.0	--	--	12.0	--	--
12...	1205	4.0	--	--	12.0	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
FEB								
06...	1100	9	80513	80513	.00	32.0	66	7.0
06...	1102	9	80513	80513	10.0	32.0	66	7.0
06...	1103	9	80513	80513	20.0	32.0	66	7.0
06...	1104	9	80513	80513	30.0	32.0	66	7.0
06...	1105	9	80513	80513	32.0	32.0	66	7.0

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
06...	1100	4.5	38.4	1.00	12.0	92	768
06...	1102	4.5	--	--	12.0	--	--
06...	1103	4.5	--	--	12.0	--	--
06...	1104	4.5	--	--	12.0	--	--
06...	1105	4.5	--	--	12.0	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR								
19...	1100	9	80513	80513	.00	28.0	50	7.0
19...	1105	9	80513	80513	10.0	28.0	50	7.0
19...	1110	9	80513	80513	20.0	28.0	50	7.0
19...	1115	9	80513	80513	28.0	28.0	50	7.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
19...	1100	10.0	14.4	.40	10.2	92	752
19...	1105	9.5	--	--	10.0	--	--
19...	1110	9.5	--	--	10.0	--	--
19...	1115	9.5	--	--	9.8	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
APR								
09...	1000	9	80513	80513	.00	22.0	56	7.1
09...	1002	9	80513	80513	10.0	22.0	56	7.1
09...	1004	9	80513	80513	20.0	22.0	56	7.1
09...	1005	9	80513	80513	22.0	22.0	56	7.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
09...	1000	11.5	14.4	.40	9.8	90	757
09...	1002	11.5	--	--	9.8	--	--
09...	1004	11.5	--	--	9.8	--	--
09...	1005	11.5	--	--	9.8	--	--

BEST COPY AVAILABLE

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
MAY											
08...	0830	9	80513	80513	.00	40.0	52	7.8	13.0	17.0	9.6
08...	0831	9	80513	80010	3.00	40.0	--	--	--	--	--
08...	0835	9	80513	80010	8.00	40.0	52	6.8	--	17.0	--
08...	0836	9	80513	80513	10.0	40.0	52	7.4	--	17.0	--
08...	0838	9	80513	80513	20.0	40.0	52	7.2	--	17.0	--
08...	0839	9	80513	80513	30.0	40.0	52	7.2	--	17.0	--
08...	0840	9	80513	80010	32.0	40.0	52	6.7	--	17.0	--
08...	0845	9	80513	80513	40.0	40.0	52	7.2	--	17.0	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
MAY										
08...	0830	.20	8.0	82	768	--	--	--	30	--
08...	0831	--	--	--	768	--	--	--	--	--
08...	0835	--	8.0	82	768	50	23	1.8	--	11
08...	0836	--	7.8	--	--	--	--	--	--	--
08...	0838	--	7.8	--	--	--	--	--	--	--
08...	0839	--	7.8	--	--	--	--	--	--	--
08...	0840	--	7.6	78	768	50	25	1.4	--	11
08...	0845	--	7.4	--	--	--	--	--	--	--

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY										
08...	0831	.100	.090	.51	.60	.70	.030	<.010	3.50	.500
08...	0835	.100	.090	.41	.50	.60	.040	<.010	--	--
08...	0840	.100	.100	.40	.50	.60	.040	<.010	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
JUN								
18...	1100	9	80513	80513	.00	32.0	62	7.9
18...	1102	9	80513	80513	5.00	32.0	62	7.6
18...	1104	9	80513	80513	10.0	32.0	62	6.9
18...	1106	9	80513	80513	11.0	32.0	62	6.6
18...	1108	9	80513	80513	12.0	32.0	62	6.4
18...	1110	9	80513	80513	13.0	32.0	62	6.3
18...	1112	9	80513	80513	14.0	32.0	62	6.3
18...	1114	9	80513	80513	15.0	32.0	62	6.3
18...	1116	9	80513	80513	20.0	32.0	62	6.4
18...	1118	9	80513	80513	30.0	32.0	63	6.4
18...	1120	9	80513	80513	32.0	32.0	63	6.4

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
JUN							
18...	1100	29.5	30.0	.80	7.6	100	762
18...	1102	28.5	--	--	7.5	--	--
18...	1104	27.5	--	--	6.6	--	--
18...	1106	26.5	--	--	3.7	--	--
18...	1108	25.5	--	--	2.4	--	--
18...	1110	24.5	--	--	1.2	--	--
18...	1112	23.5	--	--	.7	--	--
18...	1114	22.5	--	--	.1	--	--
18...	1116	22.0	--	--	.1	--	--
18...	1118	21.0	--	--	.1	--	--
18...	1120	20.5	--	--	.1	--	--

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)
JUL										
23...	1100	9	80513	80513	.00	31.0	64	7.1	27.5	26.4
23...	1102	9	80513	80010	3.00	31.0	64	7.0	27.5	--
23...	1104	9	80513	80513	10.0	31.0	64	6.9	27.0	--
23...	1106	9	80513	80513	20.0	31.0	64	6.7	26.5	--
23...	1108	9	80513	80513	28.0	31.0	80	6.6	25.5	--
23...	1110	9	80513	80513	30.0	31.0	90	6.7	25.0	--
23...	1115	9	80513	80513	31.0	31.0	88	6.7	25.0	--

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JUL										
23...	1100	.70	6.4	81	764	--	--	--	--	--
23...	1102	--	6.2	78	764	<.100	.030	<.010	20.0	<.100
23...	1104	--	5.5	--	--	--	--	--	--	--
23...	1106	--	4.4	--	--	--	--	--	--	--
23...	1108	--	.3	--	--	--	--	--	--	--
23...	1110	--	.1	--	--	--	--	--	--	--
23...	1115	--	.1	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)
AUG									
27...	1530	9	80513	80513	.00	34.0	68	7.4	41.0
27...	1531	9	80513	80010	3.00	34.0	68	7.2	--
27...	1535	9	80513	80010	6.00	37.0	68	7.1	--
27...	1536	9	80513	80513	10.0	34.0	68	6.8	--
27...	1538	9	80513	80513	20.0	34.0	70	6.7	--
27...	1540	9	80513	80010	24.0	34.0	70	6.7	--
27...	1542	9	80513	80513	30.0	34.0	72	6.6	--
27...	1545	9	80513	80513	34.0	34.0	72	6.6	--

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
AUG									
27...	1530	25.0	19.2	.50	7.6	92	761	--	--
27...	1531	24.0	--	--	7.3	87	761	--	--
27...	1535	23.0	--	--	7.2	84	761	2	10
27...	1536	22.5	--	--	4.8	--	--	--	--
27...	1538	22.5	--	--	4.0	--	--	--	--
27...	1540	22.5	--	--	3.8	44	761	2	17
27...	1542	22.5	--	--	3.4	--	--	--	--
27...	1545	22.5	--	--	3.2	--	--	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG									
27...	1530	--	0	--	--	--	--	--	--
27...	1531	--	--	--	--	--	--	1.90	<.100
27...	1535	2.2	--	20	<.100	.030	<.010	--	--
27...	1540	2.4	--	21	<.100	.030	<.010	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
24...	1130	9	80513	80513	.00	32.0	60	7.2	21.0	21.6
24...	1131	9	80513	80010	3.00	32.0	60	7.2	20.5	--
24...	1132	9	80513	80513	10.0	32.0	62	7.0	20.0	--
24...	1133	9	80513	80513	20.0	32.0	62	6.8	20.0	--
24...	1134	9	80513	80513	30.0	32.0	64	6.7	20.0	--
24...	1135	9	80513	80513	32.0	32.0	64	6.7	20.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
24...	1130	.60	7.8	87	763	--	--	--	--
24...	1131	--	7.2	80	763	.030	.020	8.70	<.100
24...	1132	--	6.1	--	--	--	--	--	--
24...	1133	--	5.7	--	--	--	--	--	--
24...	1134	--	4.6	--	--	--	--	--	--
24...	1135	--	4.5	--	--	--	--	--	--

BEST COPY AVAILABLE

07259500 PETIT JEAN RIVER NEAR WAVELAND, AR

LOCATION.--Lat 35°06'06", long 93°39'02", in NW 1/4 NW 1/4 sec.15, T.5 N., R.25 W., Yell County, Hydrologic Unit 11110204, at Blue Mountain Dam, 1.9 mi southwest of Waveland, and at mile 74.4.

DRAINAGE AREA.--488 mi^2.

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 14...	1000	9	80513	80513	8.0	72	7.7	18.0	8.0
NOV 01...	0915	9	80513	80513	5.0	80	7.2	16.5	8.8

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC 05...	1630	9	80513	80010	28	64	7.1	10.0	8.0	11.2

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC 05...	1630	96	749	10	8.5	1.7	63	20	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC 05...	1630	0	4.1	10	2.3	20	5.0	5.9	.200

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
DEC 05...	1630	.120	1.4	1.5	1.7	.030	.020	610	180

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 12...	1100	9	80513	80513	434	54	6.8	4.0	12.4
FEB 06...	1030	9	80513	80513	98	68	7.1	4.5	12.8
MAR 19...	1030	9	80513	80513	33	50	7.1	10.0	11.0
APR 09...	0930	9	80513	80513	876	56	7.1	12.0	10.4

07259500 PETIT JEAN RIVER NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
MAY 08...	0800	9	80513	80010	36	53	6.9	13.0	16.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY 08...	0800	9.2	93	768	50	23	1.6	46	10

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 08...	0800	.200	.280	.22	.50	.70	.030	.020

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 18...	1030	9	80513	80513	106	64	6.7	25.5	6.0
JUL 23...	1030	9	80513	80513	19	62	7.1	27.5	7.4

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
AUG 27...	1500	9	80513	80010	65	68	7.0	23.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 27...	1500	6.8	1.8	8	<.100	.020	<.010

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 24...	1100	9	80513	80513	26	62	7.1	20.5	7.6

07260020 DUTCH CREEK AT SHARK, AR

LOCATION.--Lat 34°59'58" long 93°30'52", in SE 1/4 NE 1/4 sec.14, T.4 N., R.24 W., Yell County, Hydrologic Unit 11110204, on paved road 0.9 mi north of Highway 80 at Shark, Ark., and 2.0 mi west of Macedonia.

DRAINAGE AREA.--107 mi^2

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983										
01...	1050	9	9827	9827	.00	7.0	20.0	15.0	40	--
29...	1100	9	9827	9827	71	--	8.0	8.0	--	--
JAN, 1984										
03...	1105	9	9827	9827	18	6.4	.0	1.0	9.0	12.9
31...	1200	9	9827	9827	38	6.6	9.0	6.0	9.0	12.4
FEB										
28...	1040	9	9827	9827	510	6.2	--	--	35	11.5
APR										
24...	0925	9	9827	9827	118	6.8	24.0	16.0	25	9.1
MAY										
01...	0915	9	9827	9827	48	6.7	17.0	17.0	15	7.8
29...	1336	9	9827	9827	39	6.8	24.0	21.0	20	7.9
JUL										
24...	1345	9	9827	9827	7.2	7.2	29.0	27.0	6.5	8.3
AUG										
07...	1320	9	9827	9827	11	7.2	30.0	27.0	20	5.6
SEP										
04...	1330	9	9827	9827	1.3	7.1	27.0	24.0	4.0	6.5

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	1050	2.4	180	2.0	10	124	.17	22	.09
29...	1100	--	120	--	--	--	--	--	--
JAN, 1984									
03...	1105	.4	52	1.0	7.5	60	.08	3	--
31...	1200	.7	24	7.0	7.5	47	.06	4	.53
FEB									
28...	1040	1.2	680	5.0	4.0	57	.08	24	.34
APR									
24...	0925	1.4	400	7.0	4.0	54	.07	9	.28
MAY									
01...	0915	.9	90	5.0	3.5	55	.07	10	.38
29...	1336	2.1	170	7.0	5.5	69	.09	15	.53
JUL									
24...	1345	5.5	100	4.0	9.5	65	.09	8	.10
AUG									
07...	1320	1.9	92	--	--	79	.11	8	.15
SEP									
04...	1330	3.1	290	3.0	5.5	71	.10	2	.05

07260020 DUTCH CREEK AT SHARK, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	1050	.230	.080	.040	1	3	<10	15	--
JAN, 1984									
03...	1105	.140	.020	.010	--	1	--	--	--
31...	1200	.060	.050	.010	2	2	14	17	10
FEB									
28...	1040	.060	.090	.060	0	2	19	36	--
APR									
24...	0925	.030	.060	.020	0	1	<10	15	30
MAY									
01...	0915	.070	--	--	0	<1	<10	50	10
29...	1336	.170	--	.050	2	<1	25	36	60
JUL									
24...	1345	.010	.070	.040	3	<1	10	30	40
AUG									
07...	1320	.070	.050	.040	3	2	21	31	30
SEP									
04...	1330	.040	.050	.010	--	<1	10	--	30

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
SEP, 1984									
04...	1330	.000	.000	.000	.000	.000	.00	<.01	.0

07260500 PETIT JEAN RIVER AT DANVILLE, AR

LOCATION.--Lat 35°03'33", long 93°23'44", in NW 1/4 SE 1/4 sec.25, T.5 N., R.23 W., Yell County, Hydrologic Unit 11110204, on left bank at downstream side of bridge on State Highway 10 at Danville, 0.3 mi upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 0.5 mi upstream from Spring Creek, 0.6 mi downstream from Dutch Creek, and at mile 48.8.

DRAINAGE AREA.--764 mi^2.

PERIOD OF RECORD.--June 1916 to current year. Prior to October 1965, published as "Petit Jean Creek at Danville."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 303.33 ft National Geodetic Vertical Datum of 1929. June 1, 1916, to Aug. 24, 1934, nonrecording gage on railroad bridge 0.3 mi downstream at datum 0.25 ft higher. Aug. 25, 1934, to July 12, 1939, nonrecording gage at present site and datum. Since June 18, 1954, auxiliary water-stage recorder 2.2 mi downstream.

REMARKS.--Records good. Flow regulated since March 1947 by Blue Mountain Lake, 25.6 mi upstream, capacity, 257,900 acre-ft.

AVERAGE DISCHARGE.--68 years, 807 ft^3/s, 584,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft^3/s Apr. 17, 1939, gage height, 31.82 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,340 ft^3/s May 4, gage height, 21.87 ft; minimum daily, 1.0 ft^3/s Nov. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	2.8	365	64	144	1860	2470	128	550	2.9	19	31
2	24	2.8	703	64	100	2200	2610	1000	1360	3.0	19	23
3	21	2.8	2360	64	133	2330	2660	4730	1520	2.8	27	21
4	12	2.7	2740	64	154	2910	2670	5690	1490	5.9	59	21
5	6.3	2.5	1280	71	147	4410	2800	3490	1440	15	46	16
6	5.0	2.0	550	78	137	3160	2610	2270	1110	18	46	23
7	4.4	1.8	1300	76	133	1600	2330	1630	392	12	46	28
8	3.9	1.5	1460	73	133	1760	2370	2560	146	6.2	29	34
9	3.4	1.7	1370	74	133	2010	2400	1460	134	6.1	29	36
10	3.1	1.7	1080	251	133	2660	1780	1890	125	6.7	57	20
11	2.9	1.6	1520	529	142	2950	2140	2090	121	6.4	70	14
12	4.2	1.6	1020	557	2480	3370	2380	1960	117	8.5	62	12
13	5.2	1.5	523	476	3490	3230	2320	1840	115	8.0	54	9.2
14	5.9	1.1	478	367	1930	2020	1900	1830	113	6.4	53	7.7
15	6.1	1.2	996	311	2210	1790	1540	2070	104	5.2	78	15
16	6.1	1.1	1140	218	2620	1780	1340	975	102	4.3	133	16
17	6.8	1.0	1070	217	2550	2080	731	166	91	7.3	138	14
18	7.1	1.1	981	245	2390	1710	440	601	94	16	141	15
19	6.8	55	602	235	2280	1210	248	1590	93	11	136	37
20	6.0	211	446	227	2170	1580	179	1940	100	9.3	129	42
21	8.3	81	355	159	2080	2150	439	2090	95	8.2	131	44
22	8.3	48	293	139	1930	2680	837	1940	50	4.9	144	54
23	8.7	279	201	147	1280	2810	467	1860	18	4.4	148	56
24	7.0	335	146	169	882	3030	528	661	14	4.3	136	50
25	6.5	168	60	207	535	2600	521	158	14	5.0	111	67
26	6.1	172	84	247	409	2000	452	421	11	9.0	109	109
27	5.4	289	78	245	2640	1820	392	780	10	7.3	106	113
28	4.2	221	78	233	2350	1880	267	736	7.2	7.1	94	110
29	3.3	165	72	233	1260	1960	160	483	4.2	14	96	145
30	3.2	307	65	228	---	1840	140	499	3.0	16	88	184
31	3.0	---	63	221	---	1900	---	594	---	15	59	---
TOTAL	227.2	2363.5	23479	6489	36975	71290	42121	50132	9543.4	256.2	2593	1366.9
MEAN	7.33	78.8	757	209	1275	2300	1404	1617	318	8.26	81.1	45.6
MAX	24	335	2740	557	3490	4410	2800	5690	1520	18	148	184
MIN	2.9	1.0	60	64	100	1210	140	128	3.0	2.8	19	7.7
AC-FT	451	4690	46570	12870	73340	141400	83550	99440	18930	508	5140	2710

CAL YR 1983 TOTAL 332571.10 MEAN 911 MAX 10300 MIN 1.0 AC-FT 659700
WTR YR 1984 TOTAL 246836.20 MEAN 674 MAX 5690 MIN 1.0 AC-FT 489400

07260620 CHICKALAH CREEK AT CHICKALAH, AR

LOCATION.--Lat 35°09'36", long 93°17'32", in SW 1/4 sec.24, T.6 N., R.22 W., Yell County, Hydrologic Unit 11110204, at bridge on State Highway 27, 0.5 mi upstream from Little Chickalah Creek and 1.0 mi southwest of Chickalah.

DRAINAGE AREA.--39.1 mi^2.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
NOV, 1983									
01...	1010	9	9827	9827	7.0	20.0	15.0	25	--
29...	1020	9	9827	9827	--	6.0	6.0	--	--
JAN, 1984									
03...	1025	9	9827	9827	6.3	.0	.0	4.0	13.4
31...	1120	9	9827	9827	6.4	6.0	4.0	10	13.0
FEB									
28...	1110	9	9827	9827	6.1	--	--	30	12.1
APR									
24...	--	9	9827	9827	6.7	24.0	15.0	17	10.1
MAY									
01...	0945	9	9827	9827	6.5	17.0	16.0	15	10.5
JUL									
24...	1300	9	9827	9827	6.8	29.0	26.0	25	3.7
AUG									
07...	1240	9	9827	9827	7.1	31.0	27.0	25	2.9
SEP									
04...	1245	9	9827	9827	7.1	25.0	25.0	30	2.8

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	1010	4.0	28	1.0	11	121	.16	20	.06
29...	1020	--	220	--	--	--	--	--	--
JAN, 1984									
03...	1025	.5	150	<1.0	5.5	48	.07	5	--
31...	1120	.6	80	7.0	5.5	49	.07	4	.59
FEB									
28...	1110	.9	150	6.0	4.0	54	.07	26	.44
APR									
24...	--	1.0	370	7.0	3.0	50	.07	14	.17
MAY									
01...	0945	.9	290	4.0	2.5	50	.07	7	.25
JUL									
24...	1300	--	80	5.0	14	78	.11	15	.08
AUG									
07...	1240	--	8	--	--	120	.16	8	.05
SEP									
04...	1245	1.8	32	5.0	13	103	.14	10	.01

07260620 CHICKALAH CREEK NEAR CHICKALAH, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	1010	.270	.050	.010	1	2	<10	16	--
JAN, 1984									
03...	1025	.050	.020	<.010	--	1	--	--	--
31...	1120	<.010	.030	<.010	2	2	17	12	10
FEB									
28...	1110	.040	.060	.050	0	2	<10	66	--
APR									
24...	--	.160	--	.040	2	<1	15	28	30
MAY									
01...	0945	.030	--	--	0	<1	<10	35	0
JUL									
24...	1300	.170	.110	.030	3	<1	21	130	90
AUG									
07...	1240	.230	.070	.020	3	1	19	35	40
SEP									
04...	1245	.460	.070	<.010	--	<1	14	--	50

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
SEP, 1984									
04...	1245	.000	.000	.000	.000	.000	.00	<.01	.0

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, AR

LOCATION.--Lat 35°07'26", long 92°47'11", in sec.35, T.6 N., R.17 W., Conway County, Hydrologic Unit 11110203, at Lock and Dam No. 9, 2.0 mi northwest of Oppelo, and at mile 193.0.

DRAINAGE AREA.--154,949 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT, 1983										
04...	1350	9	9827	9827	1800	8.5	28.0	24.0	6.0	9.4
NOV										
01...	0730	9	9827	9827	26900	8.0	16.0	17.0	20	--
29...	0745	9	9827	9827	35500	8.0	-4.0	9.0	20	10.6
JAN, 1984										
03...	0800	9	9827	9827	9000	7.7	-4.0	.0	10	13.6
31...	0845	9	9827	9827	7100	7.7	-2.0	2.0	9.0	13.4
FEB										
28...	1100	9	9827	9827	66400	7.9	4.0	7.0	50	10.8
APR										
03...	1007	9	9827	9827	--	7.7	18.0	12.0	60	11.2
MAY										
01...	1027	9	9327	9827	61700	7.7	21.0	19.0	50	9.0
29...	0945	9	9827	9827	99000	7.8	19.0	22.0	45	8.5
JUL										
24...	0900	9	9827	9827	13200	8.3	28.0	29.0	6.0	9.2
AUG										
07...	0845	9	9827	9827	5400	8.3	31.0	20.0	5.0	8.8
SEP										
04...	0850	9	9327	9827	1800	8.3	20.0	21.0	7.0	7.1
25...	1330	9	9827	9827	--	--	--	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
04...	1350	2.8	<4	--	160	484	.66	13	.01
NOV									
01...	0730	1.7	<4	61	150	428	.58	16	.17
29...	0745	1.8	24	58	120	391	.53	22	.34
JAN, 1984									
03...	0800	1.2	8	37	57	262	.36	10	--
31...	0845	1.4	<4	38	41	206	.28	10	.36
FEB									
28...	1100	3.2	250	38	74	252	.34	62	.08
APR									
03...	1007	1.9	88	60	120	392	.53	60	.89
MAY									
01...	1027	1.4	10	47	70	316	.43	37	.85
29...	0945	2.1	80	54	77	343	.47	44	.70
JUL									
24...	0900	3.4	<10	53	75	307	.42	12	.12
AUG									
07...	0845	3.5	<4	--	--	339	.46	7	.02
SEP									
04...	0850	2.2	<4	52	100	381	.52	13	.01

BEST COPY AVAILABLE

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
04...	1350	.030	.070	<.010	1	<1	20	17	20
NOV									
01...	0730	.050	.090	.040	2	3	17	15	--
29...	0745	.100	.100	.030	4	3	31	11	100
JAN, 1984									
03...	0800	.100	.150	.050	--	<1	--	--	--
31...	0845	.070	.100	.030	4	2	44	110	70
FEB									
28...	1100	.070	.160	.050	1	3	18	45	--
APR									
03...	1007	.210	.120	.090	0	<1	17	--	--
MAY									
01...	1027	.070	--	--	0	1	16	22	260
29...	0945	.140	--	.080	3	2	35	130	70
JUL									
24...	0900	.010	.090	.040	3	<1	33	<1	60
AUG									
07...	0845	<.010	.060	.010	5	1	24	49	40
SEP									
04...	0850	<.010	.090	.040	--	<1	26	--	30

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
OCT, 1983									
04...	1350	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984									
03...	0800	.000	.000	.000	.000	.000	.00	.00	.0
APR									
03...	1007	.000	.000	.000	.000	.000	.00	.00	.0
SEP									
25...	1330	.000	.000	.000	.000	.000	.00	<.01	.0

07260675 WHITE OAK CREEK NEAR ATKINS, AR

LOCATION.--Lat 35°15'16", long 92°53'38", in SW 1/4 NE 1/4 sec.15, T.7 N., R.18 W., Pope County, Hydrologic Unit 11110203, at bridge on county road 0.4 mi from Union Grove Church and 3 mi east of Atkins.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983									
01...	0800	9	9827	9827	7.9	16.0	16.0	35	--
29...	0820	9	9827	9827	7.3	.0	4.0	35	9.9
JAN, 1984									
31...	0920	9	9827	9827	7.1	.0	2.0	35	12.3
FEB									
28...	1440	9	9827	9827	6.5	4.0	9.0	35	11.1
APR									
03...	1045	9	9827	9827	6.9	17.0	15.0	30	10.0
MAY									
01...	1106	9	9827	9827	7.5	20.0	19.0	25	12.1
29...	1026	9	9827	9827	7.6	20.0	19.0	20	7.7
JUL									
24...	0945	9	9827	9827	8.5	26.0	26.0	30	8.8
AUG									
07...	0910	9	9827	9827	8.0	26.0	26.0	30	7.9
SEP									
04...	0950	9	9827	9827	8.0	22.0	20.0	40	8.3

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31618)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	0800	25	600	15	2600	4350	5.9	103	.13
29...	0820	--	>600	26	1100	1740	2.4	50	.80
JAN, 1984									
31...	0920	7.7	410	34	6.5	496	.67	66	.55
FEB									
28...	1440	--	4000	15	140	317	.43	26	.56
APR									
03...	1045	5.0	830	22	75	199	.27	22	.24
MAY									
01...	1106	--	540	33	520	963	1.3	42	.11
29...	1026	--	1300	27	390	804	1.1	21	.07
JUL									
24...	0945	--	30	26	410	3140	4.3	38	.05
AUG									
07...	0910	18	100	--	--	3690	5.0	1	.04
SEP									
04...	0950	17	280	15	230	3720	5.1	70	.06

07260675 WHITE OAK CREEK NEAR ATKINS, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	0800	4.55	1.95	.710	1	5	33	21	--
29...	0820	2.85	1.25	.730	3	3	21	11	80
JAN, 1984									
31...	0920	.420	.500	.130	13	5	33	170	100
FEB									
28...	1440	.290	.350	.180	1	3	14	45	--
APR									
03...	1045	.370	.220	.120	2	<1	21	--	--
MAY									
01...	1106	.040	--	--	0	2	10	21	20
29...	1026	.340	--	.240	1	<1	16	54	40
JUL									
24...	0945	.050	.160	.210	3	4	33	88	50
AUG									
07...	0910	.480	2.20	.900	6	2	34	81	60
SEP									
04...	0950	.340	2.55	1.40	--	4	28	--	40

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
07...	0910	.000	.000	.000	.000	.000	.00	<.01	.0

ARKANSAS RIVER BASIN

07261000 CADRON CREEK NEAR GUY, AR

LOCATION.--Lat 35°17'56", long 92°24'10", in NW 1/4 SE 1/4 sec.29, T.8 N., R.13 W., Faulkner County, Hydrologic Unit 11110205, on left bank on downstream side of bridge on U.S. Highway 65, 4.3 mi southwest of Guy, 10.5 mi upstream from Cove Creek, and at mile 48.3.

DRAINAGE AREA.--169 mi^2.

PERIOD OF RECORD.--October 1954 to current year. Prior to October 1965, published as "North Fork Cadron Creek near Guy."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 371.68 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--30 years, 283 ft^3/s, 22.74 in/yr, 205,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,200 ft^3/s Dec. 4, 1982, gage height, 29.29 ft, from rating curve extended above 19,000 ft^3/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,010 ft^3/s Feb. 12, at 1900 hours gage height, 10.91 ft, no other peak above base of 4,000 ft^3/s; no flow Oct. 1-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.68	57	76	136	454	268	74	48	4.5	2.4	.90
2	.00	.60	374	74	131	376	280	70	43	3.8	3.0	.98
3	.00	.60	2320	80	133	319	985	1350	40	3.7	7.7	1.4
4	.00	.67	1610	84	130	548	824	1450	36	3.6	28	1.5
5	.00	.70	797	94	123	1680	641	904	33	3.9	20	1.4
6	.00	.70	589	96	98	982	494	755	30	3.6	13	1.3
7	.00	.70	409	90	79	720	376	1140	29	3.1	11	1.2
8	.00	.70	310	80	73	567	698	1930	27	2.4	8.5	1.1
9	.00	.74	248	78	74	441	1570	973	25	1.7	7.2	2.1
10	.00	.80	225	119	76	372	974	691	22	1.5	6.3	28
11	.00	.80	1040	180	79	344	737	501	20	1.5	5.4	23
12	.00	.80	783	166	2450	408	605	361	18	1.4	4.4	13
13	.00	.80	580	151	2350	675	572	276	17	1.3	4.1	8.1
14	.00	.80	728	134	1280	560	439	224	16	1.2	4.2	5.3
15	.00	.80	540	119	908	469	370	169	14	1.3	4.5	4.0
16	.00	.80	392	111	847	413	320	138	14	20	3.5	2.7
17	.03	.80	309	109	700	456	274	114	18	29	2.8	2.2
18	.15	.80	258	106	578	525	220	94	15	39	2.6	1.8
19	.20	3.2	212	94	519	458	184	81	14	20	2.8	1.4
20	.30	6.6	181	92	411	383	157	87	17	14	2.4	1.1
21	.40	24	181	98	350	322	236	139	35	9.7	2.3	.91
22	.60	23	248	85	308	264	237	123	32	7.4	2.5	1.6
23	1.0	53	184	96	275	226	164	136	19	5.8	3.1	1.8
24	1.3	225	160	272	234	303	135	105	14	4.5	3.0	1.6
25	1.3	78	158	301	199	354	115	83	12	3.5	2.5	1.4
26	.99	49	119	293	179	287	99	75	9.8	2.9	2.3	1.2
27	.94	45	110	266	742	279	87	78	8.6	2.4	2.0	.97
28	.83	183	109	242	757	408	85	85	7.4	2.1	1.8	.90
29	.74	123	105	211	558	414	77	76	6.1	4.4	1.5	.83
30	.70	78	97	181	---	345	78	59	5.2	4.0	1.3	.80
31	.70	---	85	153	---	298	---	50	---	2.8	1.1	---
TOTAL	10.18	904.09	13518	4331	14777	14650	12301	12391	645.1	210.0	167.2	114.49
MEAN	.33	30.1	436	140	510	473	410	400	21.5	6.77	5.39	3.82
MAX	1.3	225	2320	301	2450	1680	1570	1930	48	39	28	28
MIN	.00	.60	57	74	73	226	77	50	5.2	1.2	1.1	.80
CFSM	.00	.18	2.58	.83	3.02	2.80	2.43	2.37	.13	.04	.03	.02
IN.	.00	.20	2.98	.95	3.25	3.22	2.71	2.73	.14	.05	.04	.03
AC-FT	20	1790	26810	8590	29310	29060	24400	24580	1280	417	332	227

CAL YR 1983 TOTAL 80066.20 MEAN 219 MAX 9080 MIN .00 CFSM 1.30 IN. 17.62 AC-FT 158800
WTR YR 1984 TOTAL 74019.06 MEAN 202 MAX 2450 MIN .00 CFSM 1.20 IN. 16.29 AC-FT 146800

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, AR

LOCATION.--Lat 35°04'30", long 92°32'06", in sec.18, T.5 N., R.14 W., Faulkner County, Hydrologic Unit 11110203, at Toad Suck Ferry Dam, 6.0 mi west of Conway, and at mile 172.0.

DRAINAGE AREA.--156,386 mi^2, of which 22,421 mi^2 is probably noncontributing.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
04...	1450	9	9827	9827	1100	8.5	29.0	24.0	5.2	9.5
NOV										
01...	1420	9	9827	9827	25300	8.0	25.0	19.0	25	--
29...	1400	9	9827	9827	34300	7.8	14.0	9.0	30	10.7
JAN, 1984										
03...	1430	9	9827	9827	1100	7.5	8.0	.0	9.0	13.7
31...	1450	9	9827	9827	9400	7.4	14.0	5.0	9.0	13.3
FEB										
28...	1000	9	9827	9827	62000	7.6	1.0	7.0	50	10.9
APR										
03...	0920	9	9827	9827	--	7.6	15.0	12.0	60	11.3
MAY										
01...	0942	9	9827	9827	64400	7.7	22.0	18.0	50	9.7
29...	1710	9	9827	9827	--	7.7	21.0	24.0	45	8.9
JUL										
24...	0830	9	9827	9827	11400	8.4	28.0	29.0	5.2	8.6
AUG										
08...	0830	9	9827	9827	6900	8.1	28.0	28.0	5.5	7.3
SEP										
04...	0845	9	9827	9827	1100	8.3	27.0	27.0	5.0	7.2
25...	1440	9	9827	9827	--	--	--	--	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
04...	1450	3.4	<4	--	160	487	.66	11	.01
NOV									
01...	1420	1.9	[illegible]	58	120	420	.57	26	.16
29...	1400	1.9	170	52	110	364	.50	32	.37
JAN, 1984									
03...	1430	1.2	8	33	52	228	.31	8	--
31...	1450	1.5	8	33	35	192	.26	10	.47
FEB									
28...	1000	3.2	400	33	66	231	.31	59	.19
APR									
03...	0920	2.0	68	56	110	374	.51	58	.62
MAY									
01...	0942	1.5	120	45	70	308	.42	41	.84
29...	1710	2.1	140	57	79	358	.49	50	.71
JUL									
24...	0830	3.0	<10	54	72	308	.42	13	.04
AUG									
08...	0830	2.6	<4	--	--	337	.46	8	.04
SEP									
04...	0845	1.8	10	51	100	364	.50	10	.01

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1983									
04...	1450	.040	.070	<.010	7	<1	18	24	20
NOV									
01...	1420	.150	.120	.080	2	4	23	28	--
29...	1400	.090	.100	.020	2	4	20	17	220
JAN, 1984									
03...	1430	.090	.160	.050	--	1	--	--	--
31...	1450	.090	.110	.030	10	2	24	34	80
FEB									
28...	1000	.090	.170	.060	6	3	23	60	--
APR									
03...	0920	.220	.130	.080	0	<1	15	--	--
MAY									
01...	0942	.130	--	--	0	2	16	19	320
29...	1710	.130	--	.040	6	3	38	59	100
JUL									
24...	0830	<.010	.090	.040	3	<1	33	45	40
AUG									
08...	0830	<.010	.050	.020	3	4	25	31	50
SEP									
04...	0845	<.010	.070	.030	--	<1	22	--	30

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
OCT, 1983									
04...	1450	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984									
03...	1430	.000	.000	.000	.000	.000	.00	.00	1
APR									
03...	0920	.000	.000	.000	.000	.000	.00	.00	.0
SEP									
25...	1440	.000	.000	.000	.000	.000	.00	<.01	.0

BEST COPY AVAILABLE

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR

LOCATION.--Lat 34°52'21", long 93°39'24", in NW 1/4 NW 1/4 sec.34, T.3 N., R.25 W., Yell County, Hydrologic Unit 11110206, near left bank on downstream side of bridge on State Highway 28, 1.2 mi downstream from Garner Creek, 1.9 mi east of Gravelly, 6.4 mi upstream from Gaffords Creek, and at mile 103.7.

DRAINAGE AREA.--410 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1939 to current year.

REVISED RECORDS.--WSP 1007: 1939. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 410.50 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 11, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for period of no gage-height record, Nov. 23 to Jan. 5, which are fair.

AVERAGE DISHCARGE.--45 years, 528 ft^3/s, 17.49 in/yr, 382,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft^3/s Dec. 3, 1982, gage height, 32.45 ft, from floodmarks, from rating curve extended above 47,000 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 12	1800	11,200	15.52
May 3	0700	*15,000	17.29

Minimum discharge, 0.02 ft^3/s Oct. 11, gage height, 0.60 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	.60	245	85	185	1270	1030	153	121	7.1	6.1	.72
2	.28	.55	600	75	173	1010	880	3580	109	6.8	15	.88
3	.25	.48	1700	80	168	821	976	12400	98	7.2	18	2.3
4	.23	.45	4340	80	160	772	945	4910	89	6.9	12	2.6
5	.20	.41	3730	86	150	1970	751	2380	81	7.9	11	2.0
6	.16	.39	2000	96	139	1390	638	1750	74	7.6	9.8	1.2
7	.15	.37	1000	93	130	983	555	1330	67	6.5	6.8	.82
8	.12	.35	670	88	124	770	619	1480	61	6.2	5.1	.59
9	.10	.37	456	79	123	623	1520	1090	56	6.0	4.2	1.8
10	.07	.40	447	109	122	567	1170	816	51	6.0	4.1	1.8
11	.07	.39	860	206	131	563	919	626	46	6.0	7.9	1.2
12	.25	.39	2220	383	6450	2250	769	497	42	6.0	17	.90
13	.21	.39	1740	382	3500	3110	633	407	38	6.0	14	.72
14	.20	.40	1100	336	1770	1780	525	337	35	6.4	11	.65
15	.16	.40	760	295	1230	1300	452	278	33	8.5	15	.87
16	.15	.42	600	269	1080	1070	398	233	31	9.4	10	.98
17	.53	.43	510	247	897	1240	353	194	28	9.8	7.4	1.0
18	1.5	.44	430	229	739	1360	309	166	26	10	6.3	.88
19	1.5	.46	380	210	666	1300	274	148	24	57	5.4	.76
20	1.3	20	285	200	582	1330	241	163	25	60	4.7	.66
21	1.8	46	253	190	499	1070	564	405	27	31	3.8	.56
22	1.5	65	240	180	444	878	983	535	25	20	3.3	2.1
23	1.3	260	210	160	398	757	631	350	18	14	3.2	6.7
24	1.3	735	170	184	355	2320	482	257	14	11	2.8	8.5
25	1.3	494	160	239	312	2000	380	197	13	9.4	2.4	47
26	1.3	350	150	265	550	1390	314	173	11	10	1.7	64
27	1.2	231	130	261	4770	1500	270	162	10	8.5	1.3	47
28	1.0	250	110	249	2850	3410	229	276	9.4	6.3	1.5	55
29	.94	370	110	235	1730	2500	198	188	9.0	6.2	1.3	131
30	.82	326	100	218	---	1700	170	151	8.1	5.4	1.1	99
31	.74	---	90	200	---	1280	---	137	---	3.8	.89	---
TOTAL	20.95	3155.09	25796	6009	30427	44284	18178	35769	1279.5	372.9	214.09	484.19
MEAN	.68	105	832	194	1049	1429	606	1154	42.6	12.0	6.91	16.1
MAX	1.8	735	4340	383	6450	3410	1520	12400	121	60	18	131
MIN	.07	.35	90	75	122	563	170	137	8.1	3.8	.89	.56
CFSM	.00	.26	2.03	.47	2.56	3.49	1.48	2.81	.10	.03	.02	.04
IN.	.00	.29	2.34	.55	2.76	4.02	1.65	3.25	.12	.03	.02	.04
AC-FT	42	6260	51170	11920	60350	87840	36060	70950	2540	740	425	960

CAL YR 1983 TOTAL 174886.52 MEAN 479 MAX 11000 MIN .07 CFSM 1.17 IN. 15.87 AC-FT 346900
WTR YR 1984 TOTAL 165989.72 MEAN 454 MAX 12400 MIN .07 CFSM 1.11 IN. 15.06 AC-FT 329200

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.-Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)
OCT, 1983										
11...	0950	9	9827	9827	--	.05	6.9	21.0	20.0	4.4
NOV										
01...	1150	9	9827	9827	--	.67	6.8	21.0	16.0	6.2
29...	1135	9	9827	9827	370	--	6.7	9.0	9.0	35
JAN, 1984										
03...	1150	9	9827	9827	80	--	6.7	5.0	.0	8.0
31...	1240	9	9827	9827	--	198	6.6	9.0	5.0	8.0
FEB										
28...	0859	9	9827	9827	--	3000	6.8	-1.0	.0	30
APR										
24...	0840	9	9827	9827	--	489	6.8	28.0	17.0	25
MAY										
01...	0850	9	9827	9827	--	152	6.6	18.0	18.0	7.1
29...	1500	9	9827	9827	--	178	6.9	20.0	23.0	9.8
JUL										
24...	1445	9	9827	9827	--	11	7.1	29.0	30.0	3.8
AUG										
07...	1415	9	9827	9827	--	6.7	7.0	30.0	29.0	4.5
SEP										
04...	1430	9	9827	9827	--	2.5	7.2	27.0	28.0	3.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983										
11...	0950	8.0	2.6	16	6.0	5.5	32	.04	4	.02
NOV										
01...	1150	--	1.1	<4	4.0	5.5	49	.07	10	.02
29...	1135	11.0	1.5	44	3.0	5.0	59	.08	11	.26
JAN, 1984										
03...	1150	14.0	.3	6	<1.0	5.0	48	.07	2	--
31...	1240	13.1	.5	4	2.0	5.5	32	.04	3	.12
FEB										
28...	0859	11.4	1.4	200	5.0	3.5	52	.07	18	.14
APR										
24...	0840	9.2	1.4	110	9.0	4.0	47	.06	8	.11
MAY										
01...	0850	8.6	1.1	40	4.0	3.0	40	.05	3	.03
29...	1500	9.1	1.8	140	7.0	2.5	45	.06	8	.10
JUL										
24...	1445	8.3	2.0	10	6.0	3.5	37	.05	6	.04
AUG										
07...	1415	7.7	2.1	20	--	--	41	.06	4	.04
SEP										
04...	1430	8.1	2.3	20	5.0	5.0	42	.06	5	.01

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR--CONTINUED

WATER QUALITY DATA, OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
11...	0950	.010	.020	<.010	0	<1	14	8	0
NOV									
01...	1150	.060	.010	.010	0	<1	<10	12	--
29...	1135	.080	.050	.010	2	2	11	24	40
JAN, 1984									
03...	1150	.040	.130	.010	--	1	--	--	--
31...	1240	.030	.010	<.010	5	1	16	14	20
FEB									
28...	0859	.040	.080	.050	0	3	18	120	--
APR									
24...	0840	.030	.050	.020	3	<1	26	39	50
MAY									
01...	0850	.040	--	--	0	<1	<10	140	40
29...	1500	.130	--	.030	4	1	19	28	60
JUL									
24...	1445	.010	.040	.020	2	<1	26	27	30
AUG									
07...	1415	<.010	.010	<.010	3	<1	45	31	40
SEP									
04...	1430	<.010	.060	.010	--	<1	14	--	20

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
SEP, 1984									
04...	1430	.000	.000	.000	.000	.000	.00	<.01	.0

07262000 NIMROD LAKE NEAR NIMROD, AR

LOCATION.--Lat 34°57'07", long 93°09'38", in NW 1/4 SW 1/4 sec.32, T.4 N., R.20 W., Perry County, Hydrologic Unit 11110206, at Nimrod Dam on Fourche LaFave River, 4.8 mi west of Nimrod, 10.2 mi upstream from South Fourche LaFave River, and at mile 62.6.

DRAINAGE AREA.--680 mi^2.

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
OCT								
14...	1230	9	80513	80513	.00	30.0	46	7.4
14...	1232	9	80513	80513	10.0	30.0	46	7.2
14...	1234	9	80513	80513	20.0	30.0	46	7.2
14...	1235	9	80513	80513	30.0	30.0	46	7.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
14...	1230	20.0	30.0	.80	6.2	68	760
14...	1232	20.0	--	--	5.8	--	--
14...	1234	19.0	--	--	5.8	--	--
14...	1235	18.0	--	--	5.8	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV								
01...	1100	9	80513	80513	.00	26.0	50	7.0
01...	1105	9	80513	80513	10.0	26.0	50	6.9
01...	1110	9	80513	80513	20.0	26.0	50	6.9
01...	1115	9	80513	80513	26.0	26.0	50	7.0

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
01...	1100	17.5	49.2	1.30	7.2	75	760
01...	1105	17.0	--	--	6.9	--	--
01...	1110	17.0	--	--	6.9	--	--
01...	1115	17.0	--	--	6.9	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
05...	1100	9	80513	80513	.00	41.0	40	7.1	15.5	8.5	39.6
05...	1101	9	80513	80010	3.00	41.0	--	--	--	--	--
05...	1105	9	80513	80010	8.00	41.0	40	6.8	--	8.5	--
05...	1108	9	80513	80513	10.0	41.0	40	7.1	--	8.5	--
05...	1110	9	80513	80513	20.0	41.0	40	7.0	--	8.0	--
05...	1112	9	80513	80513	30.0	41.0	40	7.0	--	8.0	--
05...	1115	9	80513	80010	33.0	41.0	40	6.7	--	8.0	--
05...	1118	9	80513	80513	40.0	41.0	40	6.9	--	7.5	--
05...	1120	9	80513	80513	41.0	41.0	41	6.9	--	7.5	--

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)
DEC										
05...	1100	1.00	10.5	91	750	--	--	--	7	--
05...	1101	--	--	--	750	--	--	--	--	--
05...	1105	--	10.4	90	750	1	4.5	2.4	--	11
05...	1108	--	10.3	--	--	--	--	--	--	--
05...	1110	--	10.3	--	--	--	--	--	--	--
05...	1112	--	10.2	--	--	--	--	--	--	--
05...	1115	--	10.1	87	750	10	8.3	1.5	--	11
05...	1118	--	9.9	--	--	--	--	--	--	--
05...	1120	--	9.9	--	--	--	--	--	--	--

DATE	TIME	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
05...	1105	0	0	2.0	5.0	1.5	12	3.0	3.9	<.100
05...	1115	0	0	2.0	5.0	1.5	12	3.0	4.1	<.100

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
05...	1101	--	--	--	--	--	--	--	4.10	1.20
05...	1105	.320	.58	.90	.020	<.010	390	70	--	--
05...	1115	.170	.23	.40	.020	.010	650	70	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
JAN								
12...	1000	9	80513	80513	.00	33.0	28	6.5
12...	1003	9	80513	80513	10.0	33.0	28	6.4
12...	1005	9	80513	80513	20.0	33.0	28	6.4
12...	1007	9	80513	80513	30.0	33.0	28	6.5
12...	[illegible]0	9	80513	80513	33.0	33.0	28	6.5

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JAN							
12...	1000	4.0	45.6	1.20	11.6	89	761
12...	1003	4.0	--	--	11.4	--	--
12...	1005	4.0	--	--	11.0	--	--
12...	1007	--	--	--	11.0	--	--
12...	1010	4.0	--	--	10.8	--	--

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
FEB								
06...	0915	9	80513	80513	.00	32.0	42	7.6
06...	0916	9	80513	80513	10.0	32.0	44	7.2
06...	0917	9	80513	80513	20.0	32.0	44	7.2
06...	0918	9	80513	80513	30.0	32.0	44	7.1
06...	0920	9	80513	80513	32.0	32.0	44	7.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
06...	0915	5.0	33.6	.90	12.2	95	766
06...	0916	5.0	--	--	12.0	--	--
06...	0917	5.0	--	--	12.0	--	--
06...	0918	5.0	--	--	12.2	--	--
06...	0920	5.0	--	--	12.2	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR								
19...	0930	9	80513	80513	.00	20.0	30	6.7
19...	0935	9	80513	80513	10.0	20.0	30	6.7
19...	0940	9	80513	80513	20.0	20.0	30	6.7

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
19...	0930	11.0	33.6	.90	10.4	96	750
19...	0935	11.0	--	--	10.2	--	--
19...	0940	11.0	--	--	10.0	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
APR								
09...	0830	9	80513	80513	.00	34.0	30	6.9
09...	0832	9	80513	80513	10.0	34.0	30	6.9
09...	0834	9	80513	80513	20.0	34.0	30	6.8
09...	0837	9	80513	80513	30.0	34.0	32	6.8
09...	0840	9	80513	80513	34.0	34.0	32	6.8

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
09...	0830	12.0	24.0	.60	9.2	86	757
09...	0832	12.0	--	--	9.2	--	--
09...	0834	12.0	--	--	9.1	--	--
09...	0837	12.0	--	--	9.1	--	--
09...	0840	11.5	--	--	9.1	--	--

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)
MAY										
07...	1000	9	80513	80513	.00	54.0	32	7.1	18.0	17.5
07...	1001	9	80513	80010	3.00	54.0	--	--	--	--
07...	1003	9	80513	80513	10.0	54.0	32	7.0	--	17.5
07...	1005	9	80513	80010	11.0	54.0	32	6.5	--	17.5
07...	1007	9	80513	80513	20.0	54.0	30	6.9	--	17.0
07...	1010	9	80513	80010	43.0	54.0	28	6.3	--	15.5
07...	1014	9	80513	80513	40.0	54.0	28	6.7	--	15.5
07...	1015	9	80513	80010	43.0	54.0	28	6.7	--	15.5
07...	1018	9	80513	80513	50.0	54.0	28	6.7	--	15.5
07...	1020	9	80513	80513	54.0	54.0	30	6.7	--	15.5

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
MAY										
07...	1000	32.4	.80	8.2	86	758	--	--	--	36
07...	1001	--	--	--	--	758	--	--	--	--
07...	1003	--	--	8.1	--	--	--	--	--	--
07...	1005	--	--	8.1	85	758	30	12	1.9	--
07...	1007	--	--	8.2	--	--	--	--	--	--
07...	1010	--	--	8.3	--	--	50	21	--	--
07...	1014	--	--	8.3	--	--	--	--	--	--
07...	1015	--	--	8.3	84	758	--	--	2.0	--
07...	1018	--	--	8.3	--	--	--	--	--	--
07...	1020	--	--	8.1	--	--	--	--	--	--

DATE	TIME	ALKA- LINITY FIELD (MG/L AS CACO3) (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
MAY										
07...	1001	--	<.100	.120	.58	.70	.030	<.010	1.90	<.100
07...	1005	8	<.100	.120	.28	.40	<.010	<.010	--	--
07...	1010	6	<.100	.120	.28	.40	.030	.010	--	--

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)
JUN								
18...	0830	9	80513	80513	.00	38.0	40	7.9
18...	0832	9	80513	80513	6.00	38.0	46	7.5
18...	0834	9	80513	80513	10.0	38.0	46	7.5
18...	0836	9	80513	80513	12.0	38.0	46	7.2
18...	0838	9	80513	80513	15.0	38.0	50	6.8
18...	0840	9	80513	80513	20.0	38.0	54	6.7
18...	0842	9	80513	80513	30.0	38.0	68	6.7
18...	0845	9	80513	80513	38.0	38.0	94	6.7

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
18...	0830	29.0	45.6	1.20	8.0	104	760
18...	0832	28.0	--	--	9.0	--	--
18...	0834	27.0	--	--	5.5	--	--
18...	0836	26.0	--	--	2.7	--	--
18...	0838	25.0	--	--	.8	--	--
18...	0840	24.0	--	--	.1	--	--
18...	0842	23.0	--	--	.1	--	--
18...	0845	22.0	--	--	.1	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
23...	0830	9	80513	80513	.00	37.0	36	6.9	27.5	31.2
23...	0832	9	80513	80010	3.00	37.0	36	6.9	27.5	--
23...	0834	9	80513	80513	10.0	37.0	36	6.6	27.5	--
23...	0836	9	80513	80513	20.0	37.0	36	6.4	27.5	--
23...	0838	9	80513	80513	25.0	37.0	42	6.4	26.0	--
23...	0840	9	80513	80513	29.0	37.0	80	6.7	25.0	--
23...	0842	9	80513	80513	30.0	37.0	86	6.7	24.5	--
23...	0844	9	80513	80513	32.0	37.0	92	6.8	23.5	--
23...	0846	9	80513	80513	35.0	37.0	106	6.9	22.5	--
23...	0850	9	80513	80513	37.0	37.0	122	6.9	21.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
23...	0830	.80	5.2	66	765	--	--	--	--	--
23...	0832	--	5.1	64	765	<.100	.020	<.010	19.0	<.100
23...	0834	--	5.0	--	--	--	--	--	--	--
23...	0836	--	3.3	--	--	--	--	--	--	--
23...	0838	--	1.3	--	--	--	--	--	--	--
23...	0840	--	.6	--	--	--	--	--	--	--
23...	0842	--	.6	--	--	--	--	--	--	--
23...	0844	--	.6	--	--	--	--	--	--	--
23...	0846	--	.6	--	--	--	--	--	--	--
23...	0850	--	.6	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)
AUG									
27...	0900	9	80513	80513	.00	36.0	38	6.6	27.0
27...	0901	9	80513	80010	3.00	36.0	38	6.5	--
27...	0905	9	80513	80010	7.00	36.0	38	6.5	--
27...	0906	9	80513	80513	10.0	36.0	38	6.5	--
27...	0908	9	80513	80513	20.0	36.0	38	6.5	--
27...	0910	9	80513	80010	29.0	36.0	40	6.5	--
27...	0912	9	80513	80513	30.0	36.0	40	6.5	--
27...	0914	9	80513	80513	32.0	36.0	68	6.7	--
27...	0915	9	80513	80513	36.0	36.0	84	6.8	--

BEST COPY AVAILABLE

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
AUG									
27...	0900	23.5	21.6	.60	4.0	47	763	--	--
27...	0901	23.5	--	--	4.0	47	763	--	--
27...	0905	23.5	--	--	3.6	42	763	3	5.0
27...	0906	23.5	--	--	3.8	--	--	--	--
27...	0908	23.5	--	--	3.8	--	--	--	--
27...	0910	23.5	--	--	3.6	42	763	2	6.5
27..	0912	23.5	--	--	3.6	--	--	--	--
27...	0914	22.5	--	--	1.0	--	--	--	--
27...	0915	21.5	--	--	.4	--	--	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG									
27...	0900	--	0	--	--	--	--	--	--
27...	0901	--	--	--	--	--	--	4.60	<.100
27...	0905	1.0	--	13	<.100	.020	<.010	--	--
27...	0910	1.4	--	14	<.100	.010	<.010	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
24...	0930	9	80513	80513	.00	35.0	32	7.0	22.0	31.2
24...	0931	9	80513	80010	3.00	35.0	32	6.9	22.0	--
24...	0932	9	80513	80513	10.0	35.0	32	6.8	21.0	--
24...	0933	9	80513	80513	20.0	35.0	32	6.6	21.0	--
24...	0934	9	80513	80513	30.0	35.0	32	6.5	20.5	--
24...	0935	9	80513	80513	35.0	35.0	38	6.4	20.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
24...	0930	.80	7.2	82	764	--	--	--	--
24...	0931	--	6.9	79	764	.030	<.010	6.90	<.100
24...	0932	--	6.2	--	--	--	--	--	--
24...	0933	--	5.5	--	--	--	--	--	--
24...	0934	--	4.8	--	--	--	--	--	--
24...	0935	--	2.4	--	--	--	--	--	--

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, AR

LOCATION.--Lat 34°57'02", long 93°09'16", in NW 1/4 SW 1/4 sec.32, T.4 N., R.20 W., Perry County, Hydrologic Unit 11110206, on left bank 2,000 ft downstream from Nimrod Dam, 4.5 mi southwest of Nimrod, 9.8 mi upstream from South Fourche LaFave River, and at mile 62.2.

DRAINAGE AREA.--684 mi^2.

PERIOD OF RECORD.--October 1957 to September 1960, October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 14...	1200	9	80513	80513	4.0	46	7.2	18.5	8.0
NOV 01...	1045	9	80513	80513	4.0	50	7.2	16.5	8.4

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
DEC 05...	1000	9	80513	80010	10	42	6.9	15.5	8.5

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)
DEC 05...	1000	11.1	96	751	8	4.5	2.5	53	11

DATE	TIME	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
DEC 05...	1000	0	0	2.1	5.0	1.5	18	3.0	3.3

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)
DEC 05...	1000	<.100	<.010	.20	.020	<.010	360	90

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN 12...	0900	9	80513	80513	391	28	6.7	3.0	12.4
FEB 06...	0845	9	80513	80513	301	46	7.6	4.0	12.4
MAR 19...	0845	9	80513	80513	3210	30	6.9	11.0	10.8
APR 09...	0745	9	80513	80513	10	33	6.9	11.5	9.8

BEST COPY AVAILABLE

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
MAY 07...	0930	9	80513	80010	11	34	6.8	17.0	6.8	50	20

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 07...	0930	2.4	120	8	.100	.100	.30	.40	.50	.030	<.010

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 18...	0745	9	80513	80513	42	48	6.7	22.5	6.4
JUL 23...	0800	9	80513	80513	40	46	6.9	25.0	5.6

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG 27...	0800	9	80513	80010	16	40	6.8	23.0	21.5	6.4	72

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 27...	0800	763	3	5.5	1.0	3	15	.100	.020	<.010

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 24...	0900	9	80513	80513	39	32	6.9	20.5	7.2

07262985 SOUTH FOURCHE LAFAVE RIVER AT HOLLIS, AR

LOCATION.--Lat 34°52'16" long 93°06'38", in NE 1/4 NE 1/4 sec.34, T.3 N., R.20 W., Perry County, Hydrologic Unit 11110206, at bridge on State Highway 7 at Hollis, Ark., and just above confluence with Bear Creek.

DRAINAGE AREA.--127 mi^2.

PERIOD OF RECORD --November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
NOV, 1983										
01...	1315	9	9827	9827	.26	6.6	24.0	16.0	3.2	--
29...	1255	9	9827	9827	124	--	9.0	9.0	--	--
JAN, 1984										
03...	1310	9	9827	9827	29	6.4	10.0	.0	20	13.5
31...	1335	9	9827	9827	66	6.5	14.0	5.0	25	12.8
FEB										
28...	1205	9	9827	9827	780	6.2	4.0	7.0	40	11.8
APR										
03...	1245	9	9827	9827	222	6.5	25.0	14.0	20	10.2
MAY										
01...	1440	9	9827	9827	34	6.6	27.0	22.0	7.4	9.7
29...	--	9	9827	9827	201	6.6	20.0	20.0	40	--
JUL										
24...	1545	9	9827	9827	3.6	6.7	31.0	29.0	30	6.2
AUG										
07...	1515	9	9827	9827	4.2	7.1	34.0	28.0	9.0	8.4
SEP										
04...	1600	9	9827	9827	2.6	6.9	28.0	26.0	5.0	8.1

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	1315	1.2	20	2.0	4.0	50	.07	4	.05
29...	1255	--	80	--	--	--	--	--	--
JAN, 1984									
03...	1310	.5	12	<1.0	6.5	53	.07	3	--
31...	1335	1.0	4	4.0	7.5	41	.06	28	.17
FEB									
28...	1205	1.6	300	5.0	5.0	61	.08	16	.18
APR									
03...	1245	1.1	60	7.0	3.0	32	.04	8	.13
MAY									
01...	1440	1.9	10	5.0	7.0	51	.07	4	.07
29...	--	1.6	260	8.0	3.0	65	.09	21	.20
JUL									
24...	1545	2.7	30	7.0	4.0	47	.06	16	.20
AUG									
07...	1515	2.4	4	--	--	52	.07	5	.10
SEP									
04...	1600	2.0	60	4.0	5.0	44	.06	5	.01

07262985 SOUTH FOURCHE LA FAVE RIVER AT HOLLIS, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	1315	.160	.060	.010	2	<1	10	9	--
JAN, 1984									
03...	1310	.120	.060	.030	--	1	--	--	--
31...	1335	.050	.070	.020	4	5	12	8	40
FEB									
28...	1205	.100	.070	.060	0	12	10	160	--
APR									
03...	1245	.030	.050	.030	0	<1	11	--	--
MAY									
01...	1440	.100	--	--	1	<1	14	17	40
29...	--	.180	--	.040	3	2	27	17	60
JUL									
24...	1545	.060	.090	.070	3	2	21	25	70
AUG									
07...	1515	.040	.040	.010	3	1	25	22	30
SEP									
04...	1600	.050	.050	--	--	<1	17	--	50

07263000 SOUTH FOURCHE LAFAVE RIVER NEAR HOLLIS, AR

LOCATION.--Lat 34°54'41", long 93°03'21", in SE 1/4 NE 1/4 sec.18, T.3 N., R.19 W., Perry County, Hydrologic Unit 11110206, on left bank 0.8 mi upstream from Big Cove Creek, 2.1 mi downstream from Cedar Creek, 4.0 mi northeast of Hollis, and at mile 5.6.

DRAINAGE AREA.--210 mi^2.

PERIOD OF RECORD.--May 1941 to current year.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 366.10 ft National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark).

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 292 ft^3/s, 18.88 in/yr, 211,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 94,000 ft^3/s Dec. 3, 1982, gage height, 24.55 ft, from rating curve extended above 35,000 ft^3/s on basis of slope-area measurements at gage heights, 18.51 ft and 19.47 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,800 ft^3/s Sept. 23, at 0100 hours, gage height, 10.95 ft, no other peak above base of 9,000 ft^3/s; no flow Oct. 1-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.44	115	60	126	550	371	68	125	8.8	3.7	5.6
2	.00	.44	1610	56	116	435	324	871	91	7.0	7.2	4.9
3	.00	.44	6360	57	112	351	499	3880	73	6.4	38	4.8
4	.00	.51	2060	59	104	1290	411	1600	60	6.2	22	4.5
5	.00	.55	962	66	96	2180	309	1050	49	6.1	15	4.3
6	.00	.55	598	75	84	933	254	961	43	5.7	10	4.1
7	.00	.49	401	80	79	610	213	1930	37	5.0	7.5	3.8
8	.00	.42	284	79	76	455	418	1580	32	4.2	6.3	3.1
9	.00	.46	220	77	73	354	1120	732	28	3.8	6.0	9.7
10	.00	.55	243	305	73	334	610	462	24	3.5	6.0	17
11	.00	.51	1230	470	84	409	423	318	20	3.2	6.0	12
12	.00	.49	706	342	5500	2240	327	236	17	3.4	5.7	7.6
13	.00	.48	476	270	1950	1400	264	188	15	6.1	5.3	5.8
14	.00	.44	457	217	907	679	211	153	13	45	5.0	26
15	.00	.44	378	184	584	473	177	130	11	21	4.7	166
16	.00	.41	285	164	545	370	156	112	9.1	21	4.2	48
17	.01	.40	225	150	441	430	140	96	8.0	55	3.9	23
18	.03	.40	189	140	372	462	124	83	7.0	68	3.7	14
19	.03	1.1	164	122	320	388	108	77	6.7	27	3.5	9.6
20	.03	18	146	107	271	316	97	96	6.9	17	3.4	7.5
21	.10	19	140	105	234	261	275	103	6.9	12	3.2	11
22	1.3	17	134	99	209	216	222	82	8.2	9.4	4.1	501
23	1.4	798	123	118	187	184	186	79	7.4	7.5	6.7	2710
24	1.2	357	119	224	169	322	154	70	6.6	6.3	4.7	443
25	1.0	141	117	273	152	397	130	63	6.1	5.8	3.6	193
26	.84	85	116	250	575	292	110	209	5.9	8.3	2.8	339
27	.70	517	114	220	3150	450	97	372	5.9	7.6	5.1	255
28	.59	643	112	196	1300	2630	84	863	10	5.9	82	180
29	.52	268	111	175	755	1710	78	453	24	5.2	28	134
30	.48	161	109	157	---	757	75	260	13	4.8	11	100
31	.44	---	95	138	---	497	---	182	---	4.3	7.1	---
TOTAL	8.67	3033.52	18399	5035	18654	22375	7967	17359	769.7	400.5	325.4	5247.3
MEAN	.28	101	594	162	643	722	266	560	25.7	12.9	10.5	175
MAX	1.4	798	6360	470	5500	2630	1120	3880	125	68	82	2710
MIN	.00	.40	95	56	73	184	75	63	5.9	3.2	2.8	3.1
CFSM	.00	.48	2.83	.77	3.06	3.44	1.27	2.67	.12	.06	.05	.83
IN.	.00	.54	3.26	.89	3.30	3.96	1.41	3.08	.14	.07	.06	.93
AC-FT	17	6020	36490	9990	37000	44380	15800	34430	1530	794	645	10410

CAL YR 1983 TOTAL 93378.07 MEAN 256 MAX 7150 MIN .00 CFSM 1.22 IN. 16.54 AC-FT 185200
WTR YR 1984 TOTAL 99574.09 MEAN 272 MAX 6360 MIN .00 CFSM 1.30 IN. 17.64 AC-FT 197500

07263240 STONE DAM CREEK NEAR CONWAY, AR

LOCATION.--lat 35°03'32", long 92°26'28", in SW 1/4 NE 1/4 sec.24, T.5 N., R.14 W., Faulkner County, Hydrologic Unit 11110203, at intersection of two unnamed county roads 1.0 mi west of State Highway 365, and 0.6 mi south of State Highway 286, and 2.1 mi south of Conway Post Office.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983									
01...	1440	9	9827	9827	7.2	25.0	21.0	70	--
29...	1420	9	9827	9827	--	14.0	14.0	--	--
JAN, 1984									
03...	1445	9	9827	9827	7.1	8.0	8.0	20	8.0
31...	1745	9	9827	9827	7.1	10.0	9.0	25	8.2
FEB									
28...	0925	9	9827	9827	6.7	1.0	7.0	25	9.4
APR									
03...	0900	9	9827	9827	6.6	17.0	13.0	30	7.2
MAY									
01...	0915	9	9827	9827	6.6	17.0	18.0	7.4	3.0
29...	1730	9	9827	9827	6.8	18.0	23.0	7.0	5.8
JUL									
24...	0900	9	9827	9827	8.0	25.0	26.0	7.2	4.9
AUG									
08...	0900	9	9827	9827	7.2	29.0	26.0	6.0	4.1
SEP									
04...	0900	9	9827	9827	7.4	27.0	23.0	20	4.4
25...	1430	9	9827	9827	--	--	--	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	1440	17	830	47	34	280	.38	143	1.4
29...	1420	--	160	--	--	--	--	--	--
JAN, 1984									
03...	1445	--	140	30	31	203	.28	15	--
31...	1745	17	<4	40	28	197	.27	18	.65
FEB									
28...	0925	2.8	5	19	13	122	.17	14	1.3
APR									
03...	0900	5.0	17	23	7.0	85	.12	20	1.4
MAY									
01...	0915	--	1000	36	26	196	.27	10	2.5
29...	1730	1.7	>600	37	27	203	.28	11	7.9
JUL									
24...	0900	5.6	<10	57	36	241	.33	16	2.9
AUG									
08...	0900	--	<4	--	--	220	.30	6	2.0
SEP									
04...	0900	1.6	<4	35	32	221	.30	15	.38

BEST COPY AVAILABLE

07263240 STONE DAM CREEK NEAR CONWAY, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	1440	20.2	7.50	6.50	3	46	24	14	--
JAN, 1984									
03...	1445	12.0	6.70	3.10	--	30	--	--	--
31...	1745	11.0	4.60	3.25	14	120	29	23	150
FEB									
28...	0925	2.40	1.60	1.00	0	24	15	13	--
APR									
03...	0900	.870	.760	.530	0	32	16	--	--
MAY									
01...	0915	10.1	--	--	0	8	20	8	110
29...	1730	3.95	--	3.90	3	--	26	19	110
JUL									
24...	0900	>5.00	7.20	6.30	6	60	25	<1	130
AUG									
08...	0900	11.3	6.30	6.80	5	10	19	12	90
SEP									
04...	0900	--	6.20	--	--	46	21	--	80

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
SEP, 1984									
25...	1430	.000	.000	<.010	.000	.000	.00	<.01	.0

BEST COPY AVAILABLE

07263450 ARKANSAS RIVER AT MURRAY DAM, AT LITTLE ROCK, AR

LOCATION.--Lat 34°47'27", long 92°21'32", in sec.23, T.2 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, in Murray Dam control house on right bank and at mile 141.5.

DRAINAGE AREA.--158,030 mi^2, of which 22,241 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to current year. Prior to October 1969, published as "07263500 Arkansas River at Little Rock." Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected at or near former site since 1873 are contained in reports of National Weather Service. Gage-height records collected since 1883 at site 5.5 mi downstream, and intermittent records of discharge since 1885 are contained in reports of Mississippi River Commission.

GAGE.--Water-stage and gate-position recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, Oct. 1, 1934, to May 9, 1970, recording gage at site 6.2 mi downstream at datum 223.61 ft higher. Sept. 20, 1968, to May 9, 1970, auxiliary water-stage recorder 5.5 mi upstream from former gage.

REMARKS.--Records good. Beginning May 10, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs.

AVERAGE DISCHARGE.--57 years, 40,270 ft^3/s, 29,180,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 536,000 ft^3/s May 27, 1943, gage height, 30.05 ft, site and datum then in use; minimum daily, 14 ft^3/s Oct. 25, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1833 reached a stage of 34.6 ft former site and datum. Flood of Apr. 20, 1927, reached a stage of 33.0 ft, former site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 171,000 ft^3/s Apr. 10, tailwater elevation, 242.79 ft; minimum daily, 802 ft^3/s Aug. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 184
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1100	26600	30600	1800	17300	69100	158000	61700	68100	13400	3320	7580
2	1070	29900	34500	1240	12300	61600	159000	63100	61900	22000	11300	4400
3	944	40400	47100	974	16700	58400	163000	89400	65200	16200	4930	2260
4	955	42200	60400	9850	14600	62100	161000	95800	65200	23400	1120	899
5	931	34300	53000	9770	7600	73800	159000	84400	55500	17900	2770	4920
6	961	34200	47900	14900	8140	89400	155000	85000	43000	22700	5500	2880
7	1320	27300	45300	6800	16200	81900	155000	108000	35400	10100	5710	5870
8	1970	18700	41600	3790	15100	80000	159000	137000	34500	8410	10100	6640
9	1940	17800	36900	4510	9300	73000	163000	140000	32300	14700	10700	4850
10	1790	30700	45300	11500	7090	75000	165000	115000	31600	11900	10400	4610
11	1370	29300	38800	13100	7530	73600	164000	95600	28800	13400	7810	6500
12	2380	23600	50400	10600	40400	62900	165000	82400	32800	16000	6550	5690
13	1760	21300	33500	17500	67100	67200	163000	72900	35200	15900	7410	7120
14	1050	11700	36200	6380	46300	76800	160000	66700	33100	7530	9060	10400
15	1010	23600	40600	6350	44900	66700	159000	64800	30100	9140	5990	5650
16	1570	24400	21900	7970	42700	66600	153000	58400	29900	6150	7090	1510
17	1710	4810	14800	14200	36100	67400	152000	54800	29500	5080	5340	841
18	3040	12200	10100	7930	34800	75500	149000	53700	35800	8030	10400	842
19	6210	18400	11700	14000	34000	77400	137000	54000	29500	1750	4620	841
20	17900	32000	16200	21000	15800	77400	133000	54100	34400	7150	828	842
21	33500	8390	26100	12100	29800	93200	128000	51600	26400	7860	802	855
22	35500	15500	17700	6490	25000	105000	131000	50400	26500	2770	8580	2030
23	37300	30900	12700	3550	22200	109000	136000	37400	37500	6160	6840	4030
24	31900	37100	27400	5090	26900	115000	136000	35900	28300	12000	3320	3960
25	45000	23100	13900	17300	12200	124000	135000	37600	25500	3620	1410	3500
26	39000	21000	6650	9160	11500	137000	128000	31400	25600	4800	1830	16300
27	36000	36100	3200	8830	43000	146000	121000	43400	18900	7950	3760	11300
28	29100	46500	8400	5010	64100	150000	100000	77900	30200	4740	10600	4870
29	33700	39100	13000	6500	76400	153000	83300	106000	23800	4160	9500	3570
30	27800	39400	9360	9850	---	158000	70200	123000	21400	804	9340	2290
31	24100	---	4220	10800	---	158000	---	93300	---	944	6550	---
TOTAL	423881	800500	859430	278844	805060	2884000	4300500	2324700	1075900	306648	193480	137850
MEAN	13670	26680	27720	8995	27760	93030	143400	74990	35860	9892	6241	4595
MAX	45000	46500	60400	21000	76400	158000	165000	140000	68100	23400	11300	16300
MIN	931	4810	3200	974	7090	58400	70200	31400	18900	804	802	841
AC-FT	840800	1588000	1705000	553100	1597000	5720000	8530000	4611000	2134000	608200	383800	273400

CAL YR 1983 TOTAL 16323914 MEAN 44720 MAX 169000 MIN 931 AC-FT 32380000
WTR YR 1984 TOTAL 14390793 MEAN 39320 MAX 165000 MIN 802 AC-FT 28540000

BEST COPY AVAILABLE

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1970 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: October 1970 to September 1981.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1983											
04...	1410	9	9827	9827	887	8.6	30.0	25.0	4.8	8.9	--
NOV											
01...	1330	9	9827	9827	27100	8.1	--	--	20	9.5	15
29...	1320	9	9827	9827	37800	--	8.0	11.0	--	--	--
JAN, 1984											
17...	1400	9	9827	9827	17400	7.2	6.0	3.0	20	--	13
FEB											
21...	1525	9	9827	9827	35200	8.0	12.0	10.0	30	11.5	15
APR											
24...	1440	9	9827	9827	135000	7.8	28.0	12.0	65	10.2	17
MAY											
22...	1340	9	9827	9827	51100	7.6	--	--	45	7.8	18
29...	1425	9	9827	9827	110000	7.6	22.0	23.0	50	7.9	12
JUL											
10...	1530	9	9827	9827	2500	8.6	35.0	31.0	15	12.0	--
31...	1520	9	9827	9827	2500	8.3	24.0	29.0	6.0	7.9	16
SEP											
04...	1335	9	9827	9827	800	8.5	25.0	28.0	4.0	9.7	18

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1983											
04...	1410	2.6	<4	72	170	502	.68	10	.01	.060	--
NOV											
01...	1330	1.3	12	56	110	407	.55	16	.14	.030	.07
29...	1320	--	52	--	--	--	--	--	--	--	--
JAN, 1984											
17...	1400	1.4	8	28	36	169	.23	11	.46	.070	--
FEB											
21...	1525	2.4	12	23	38	150	.20	22	.07	.040	1.1
APR											
24...	1440	.9	10	52	74	319	.43	60	.84	.070	--
MAY											
22...	1340	.9	16	38	550	231	.31	33	.54	.130	1.3
29...	1425	1.6	20	49	70	300	.41	52	1.6	.070	1.1
JUL											
10...	1530	2.6	<4	46	65	297	.40	6	.14	.020	.28
31...	1520	2.7	<10	50	67	288	.39	12	.05	--	--
SEP											
04...	1335	2.8	28	53	100	354	.48	9	.01	<.010	--

BEST COPY AVAILABLE

07263450 ARKANSAS RIVER AT MURRAY DAM, AT LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1983											
04...	1410	--	--	--	.040	<.010	--	2	1	--	15
NOV											
01...	1330	.10	.24	1.1	.080	.010	<5	0	11	15	--
JAN, 1984											
17...	1400	<.10	--	--	.050	.010	--	0	3	10	6
FEB											
21...	1525	1.1	1.2	5.2	.080	.020	<5	0	1	<10	11
APR											
24...	1440	--	--	--	.140	.100	<5	0	<1	<10	16
MAY											
22...	1340	1.4	1.9	8.6	.120	.050	--	0	4	12	6
29...	1425	1.2	2.8	12	.140	.080	--	0	1	15	21
JUL											
10...	1530	.30	.44	1.9	--	.010	--	0	<1	10	10
31...	1520	--	--	--	--	--	<5	0	<1	20	--
SEP											
04...	1335	1.5	1.5	6.7	.060	.010	--	0	2	20	14

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
OCT, 1983											
04...	1410	--	30	--	--	--	--	--	--	--	--
NOV											
01...	1330	<5	--	--	--	--	--	--	--	--	--
29...	1320	--	--	.000	.000	.000	.000	.000	.00	<.04	.0
JAN, 1984											
17...	1400	--	40	.000	.000	.000	.000	.000	.00	.00	.0
FEB											
21...	1525	<5	80	--	--	--	--	--	--	--	--
APR											
24...	1440	<5	90	--	--	--	--	--	--	--	--
MAY											
22...	1340	--	80	.000	.000	.000	.000	.000	.00	.00	.0
JUL											
31...	1520	<5	70	--	--	--	--	--	--	--	--
SEP											
04...	1335	--	580	.000	.000	.000	.000	.000	.00	<.01	.0

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR
(National radiochemical station)
(National stream-quality accounting network)

LOCATION.--Lat 34°40'07", long 92°09'18", in sec.35, T.1 N., R.11 W., Pulaski County, Hydrologic Unit 11110207, at upper end of upstream wall at David D. Terry Lock and Dam, 10.7 mi downstream from Main Street bridge at Little Rock, and at mile 124.2.

DRAINAGE AREA.--158,288 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--October 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1970 to September 1978, October 1980 to September 1981.
pH: April 1970 to September 1978.
WATER TEMPERATURES: October 1969 to September 1978, October 1980 to September 1981.
DISSOLVED OXYGEN: October 1969 to September 1978.

INSTRUMENTATION.--Water-quality monitor October 1969 to September 1981.

REMARKS.--Discharge figures are for station 07263450, 16.8 mi upstream.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT 25...	1400	9	80513	80010	47200	778	8.5	18.0	6.2	8.4	89
JAN 17...	0930	9	80513	80010	17300	339	8.2	2.0	13	10.4	75
FEB 21...	0930	9	80513	80010	35400	287	7.7	8.5	23	12.0	103
APR 04...	1300	9	80513	80010	161000	654	8.0	11.0	50	11.0	101
JUN 04...	0900	9	80513	80010	65400	671	8.3	23.0	27	8.4	99
AUG 06...	0930	9	80513	80010	5920	502	8.6	27.0	2.6	7.4	93

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 25...	1400	765	K190	150	170	53	53	47	12	88	53
JAN 17...	0930	760	32	28	88	21	21	25	6.2	27	39
FEB 21...	0930	762	13	350	63	17	17	17	4.9	29	49
APR 04...	1300	757	73	84	130	44	44	36	8.7	75	56
JUN 04...	0900	759	43	46	130	44	44	37	9.5	77	55
AUG 06...	0930	762	68	6	130	36	36	40	8.4	44	41

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT 25...	1400	3	3.9	114	65	140	.20	.5	441	430	.60
JAN 17...	0930	1	2.6	67	31	42	.10	4.3	191	180	.26
FEB 21...	0930	2	2.3	46	25	42	<.10	1.5	176	150	.24
APR 04...	1300	3	2.9	82	55	120	.20	5.0	367	350	.50
JUN 04...	0900	3	3.1	88	56	120	.20	5.4	404	360	.55
AUG 06...	0930	2	3.2	99	46	69	.20	.6	280	270	.38

DATE	TIME	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
OCT 25...	1400	.120	.140	.80	.080	.040	.020	--	--	--
JAN 17...	0930	.450	.180	.60	.110	.070	.050	10	1	64
FEB 21...	0930	<.100	.030	.60	.050	<.010	<.010	20	1	48
APR 04...	1300	.570	.140	1.0	.080	.100	.050	--	--	--
JUN 04...	0900	.630	.290	2.0	.080	.050	.070	40	1	91
AUG 06...	0930	<.100	.140	.90	.090	.040	.060	<10	2	82

DATE	TIME	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JAN 17...	0930	<.5	1	6	<3	3	72	3	<4	38
FEB 21...	0930	<.5	<1	<1	<3	4	150	1	5	4
JUN 04...	0900	<.0	<1	<1	<3	3	13	<1	<4	4
AUG 06...	0930	<.0	<1	<1	<3	2	6	3	7	1

DATE	TIME	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L) (80020)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT) (80030)
OCT 25...	1400	--	--	--	--	--	--	--	--	<10
JAN 17...	0930	.2	<10	3	<1	<1	180	7	--	--
FEB 21...	0930	.2	<10	4	<1	1	130	11	.19	<3.0
JUN 04...	0900	.1	<10	1	<1	1	320	7	--	--
AUG 06...	0930	.1	<10	1	<1	<1	300	<3	--	--

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) (09511)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 25...	1400	<.9	<6.7	.9	<5.8	.9	.08	29	3700	50
JAN 17...	0930	--	--	--	--	--	--	10	467	81
FEB 21...	0930	1.2	3.1	1.1	2.6	1.0	.07	26	2490	71
APR 04...	1300	--	--	--	--	--	--	336	146000	25
JUN 04...	0900	--	--	--	--	--	--	38	6710	86
AUG 06...	0930	--	--	--	--	--	--	6	96	38

BEST COPY AVAILABLE

07263640 ARKANSAS RIVER AT LOCK AND DAM 5 NEAR WRIGHT, AR

LOCATION.--Lat 34°24'48", long 92°06'07", in SE 1/4 NE 1/4 sec.33, T.3 S., R.10 W., Jefferson County, Hydrologic Unit 11110207, at left bank on downstream side of lock and dam, 4.0 mi southwest of Wright, Ark., off State Highway 256.

DRAINAGE AREA.--158,542 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
NOV, 1983											
01...	1005	9	9827	9827	30200	8.0	16.0	18.0	9.8	9.6	18
29...	1000	9	9827	9827	39700	--	3.0	10.0	--	--	--
JAN, 1984											
03...	1010	9	9827	9827	1000	7.6	2.0	1.0	20	13.5	15
31...	1005	9	9827	9827	11300	7.5	3.0	4.0	25	13.0	14
FEB											
28...	1010	9	9827	9827	65100	7.9	1.0	8.0	35	11.3	19
APR											
03...	1015	9	9827	9827	149000	7.6	16.0	13.0	50	10.3	20
MAY											
01...	1035	9	9827	9827	58200	7.6	19.0	17.0	50	9.3	14
29...	0925	9	9827	9827	78300	7.7	16.0	21.0	50	7.7	19
JUL											
10...	1435	9	9827	9827	5700	8.5	34.0	29.0	7.0	10.3	--
AUG											
07...	1040	9	9827	9827	--	8.2	23.0	26.0	7.0	7.2	18
SEP											
04...	1035	9	9827	9827	1000	8.2	21.0	27.0	6.0	7.7	19

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV, 1983											
01...	1005	2.3	8	59	110	405	.55	16	--	--	--
29...	1000	--	44	--	--	--	--	--	--	--	--
JAN, 1984											
03...	1010	1.3	12	38	56	243	.33	11	.50	.180	--
31...	1005	2.7	4	38	37	186	.25	12	.40	--	--
FEB											
28...	1010	4.8	24	29	45	183	.25	40	.07	.070	--
APR											
03...	1015	3.6	10	46	74	293	.40	46	.63	.140	.86
MAY											
01...	1035	--	30	50	82	321	.44	44	.86	.090	--
29...	0925	6.3	70	46	66	310	.42	68	.68	.110	1.4
JUL											
10...	1435	5.1	8	49	67	294	.40	--	.15	<.010	--
AUG											
07...	1040	6.0	10	52	67	295	.40	12	.02	.020	.48
SEP											
04...	1035	5.6	--	51	91	355	.48	11	.08	--	--

07263640 ARKANSAS RIVER AT LOCK AND DAM 5 NEAR WRIGHT, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
NOV, 1983										
01...	1005	1.1	--	--	.100	<.010	0	19	29	--
JAN, 1984										
03...	1010	--	--	--	--	.030	--	2	23	--
31...	1005	--	--	--	.090	.040	0	3	12	92
FEB										
28...	1010	--	--	--	.140	.040	0	2	13	25
APR										
03...	1015	1.0	1.6	7.2	.130	--	0	2	24	--
MAY										
01...	1035	--	--	--	.120	.080	0	3	11	--
29...	0925	1.5	2.2	9.7	.140	.030	0	2	23	--
JUL										
10...	1435	.20	.35	1.5	--	<.010	0	<1	<10	11
AUG										
07...	1040	.50	.52	2.3	.080	<.010	0	<1	12	7
SEP										
04...	1035	.90	.98	4.3	.090	.050	--	2	38	14

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JAN, 1984										
03...	1010	80	--	--	--	--	--	--	--	--
FEB										
28...	1010	70	--	--	--	--	--	--	--	--
MAY										
01...	1035	50	--	--	--	--	--	--	--	--
29...	0925	190	--	--	--	--	--	--	--	--
JUL										
10...	1435	--	.000	.000	.000	.000	.000	.00	<.01	.0

BEST COPY AVAILABLE

07263706 ARKANSAS RIVER AT LOCK AND DAM 4 NEAR PINE BLUFF, AR

LOCATION.--Lat 34°14'56", long 91°54'22", in SE 1/4 NE 1/4 sec.29, T.5 S., R.5 S., Jefferson County, Hydrologic Unit 11110207, on upstream side of lock and dam at end of State Highway 81, 2.2 mi east of St. Louis Southwestern Railroad yard.

DRAINAGE AREA.--158,542 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
NOV, 1983											
01...	1100	9	9827	9827	8300	8.0	16.0	18.0	18	9.6	17
29...	1100	9	9827	9827	5200	--	5.0	10.0	--	--	--
JAN, 1984											
03...	1105	9	9827	9827	.00	7.5	4.0	1.0	17	13.9	13
31...	1115	9	9827	9827	9300	7.3	2.0	4.0	15	13.1	14
FEB											
28...	1115	9	9827	9827	3900	7.7	2.0	8.0	40	12.0	17
APR											
03...	1115	9	9827	9827	161000	7.6	16.0	13.0	65	10.5	12
MAY											
01...	1120	9	9827	9827	6500	7.6	21.0	17.0	50	9.5	15
29...	1105	9	9827	9827	0200	7.7	18.0	21.0	50	8.1	17
JUL											
10...	1335	9	9827	9827	9400	8.4	34.0	29.0	8.0	9.3	--
AUG											
07...	1140	9	9827	9827	3100	8.3	34.0	26.0	8.0	7.4	17
SEP											
04...	1140	9	9827	9827	800	8.4	22.0	27.0	7.0	8.3	20

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV, 1983											
01...	1100	1.8	<4	59	110	391	.53	18	--	--	--
29...	1100	--	K48	--	--	--	--	--	--	--	--
JAN, 1984											
03...	1105	1.1	K4	36	55	230	.31	9	.47	.120	--
31...	1115	2.4	K8	39	37	182	.25	9	.42	--	--
FEB											
28...	1115	3.7	K40	29	47	186	.25	63	.08	.090	--
APR											
03...	1115	3.2	K60	52	110	356	.48	84	.62	.160	.64
MAY											
01...	1120	--	K80	49	83	328	.45	31	.83	.080	--
29...	1105	3.8	K140	46	67	308	.42	56	.67	.100	1.3
JUL											
10...	1335	4.4	K24	49	69	303	.41	--	.11	.010	.49
AUG											
07...	1140	4.8	K20	51	63	289	.39	14	.04	<.010	--
SEP											
04...	1140	3.7	K10	48	87	335	.46	12	.01	--	--

BEST COPY AVAILABLE

07263706 ARKANSAS RIVER AT LOCK AND DAM 4 NEAR PINE BLUFF, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
NOV, 1983										
01...	1100	.30	--	--	.100	<.010	0	8	11	31
JAN, 1984										
03...	1105	--	--	--	--	.020	--	1	14	--
31...	1115	--	--	--	.130	.050	2	<1	13	9
FEB										
28...	1115	--	--	--	.120	.040	0	2	13	25
APR										
03...	1115	.80	1.4	6.3	.160	--	0	2	21	--
MAY										
01...	1120	--	--	--	.130	.100	0	2	11	--
29...	1105	1.4	2.1	9.2	.140	.030	0	2	<10	--
JUL										
10...	1335	.50	.61	2.7	--	<.010	0	<1	<10	21
AUG										
07...	1140	--	--	--	.070	.010	0	1	13	9
SEP										
04...	1140	.80	.81	3.6	.110	.050	--	4	41	11

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983										
29...	1100	--	<.001	<.001	<.002	<.001	<.001	.00	.00	.0
JAN, 1984										
03...	1105	40	<.001	.001	<.002	<.001	.001	.00	.00	.0
FEB										
28...	1115	40	--	--	--	--	--	--	--	--
APR										
03...	1115	--	<.001	.001	<.002	<.001	.001	.00	.00	.0
MAY										
01...	1120	30	--	--	--	--	--	--	--	--
29...	1105	40	--	--	--	--	--	--	--	--
JUL										
10...	1335	--	<.002	<.002	<.004	<.002	<.002	.00	.00	.0

07263920 BAYOU METO NEAR NORTH LITTLE ROCK, AR

LOCATION.--Lat 34°51'58" long 92°09'13", in NE 1/4 NE 1/4 sec.27, T.3 N., R.11 W., Pulaski County, Hydrologic Unit 08020402 at bridge on Cato Road, 2.2 mi east of State Highway 107, and 2.0 mi east of Gravel Ridge.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
NOV, 1983									
01...	1245	9	9827	9827	6.4	--	--	20	.5
29...	0938	9	9827	9827	--	3.0	8.0	--	--
JAN, 1984									
17...	1300	9	9827	9827	6.6	7.0	3.0	8.0	--
FEB									
21...	1435	9	9827	9827	6.1	20.0	10.0	20	9.5
APR									
24...	1255	9	9827	9827	6.6	28.0	17.0	20	6.0
MAY									
22...	1200	9	9827	9827	6.5	--	--	20	3.5
29...	1140	9	9827	9827	6.5	23.0	21.0	20	2.3
JUL									
10...	1430	9	9827	9827	7.0	33.0	29.0	9.0	2.3
31...	1430	9	9827	9827	6.6	22.0	24.0	20	1.9
SEP									
04...	1300	9	9827	9827	6.7	24.0	24.0	9.5	1.7

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	1245	3.2	16	4.0	24	97	.13	10	.02
29...	0938	--	180	--	--	--	--	--	--
JAN, 1984									
17...	1300	.9	8	5.0	6.5	36	.05	4	.44
FEB									
21...	1435	1.5	28	5.0	6.5	47	.06	6	.24
APR									
24...	1255	1.3	60	7.0	5.0	50	.07	12	.12
MAY									
22...	1200	2.3	200	4.0	5.0	49	.07	11	.20
29...	1140	1.7	60	5.0	7.5	62	.08	9	.13
JUL									
10...	1430	3.1	96	4.0	9.0	80	.11	6	.02
31...	1430	2.2	590	7.0	4.0	61	.08	14	.06
SEP									
04...	1300	1.9	120	7.0	6.0	60	.08	5	.01

07263920 BAYOU METO NEAR NORTH LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (0104)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	1245	.380	.080	.050	0	3	<10	--	--
JAN, 1984									
17...	1300	.050	.010	<.010	0	2	<10	13	40
FEB									
21...	1435	<.010	.050	.030	0	3	<10	4	60
APR									
24...	1255	.060	.080	.030	0	<1	<10	2	20
MAY									
22...	1200	.170	.080	.030	0	1	17	3	90
29...	1140	.090	.070	.030	0	<1	<10	8	--
JUL									
10...	1430	.040	--	.010	0	<1	<10	7	--
31...	1430	--	--	--	0	<1	16	--	80
SEP									
04...	1300	.230	.100	.040	0	<1	15	15	120

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983									
29...	0938	.000	.000	--	.000	.000	.00	--	--
JAN, 1984									
17...	1300	.000	.000	.000	.000	.000	.00	.00	.0
APR									
24...	1255	.000	.000	.000	.000	.000	.00	.00	.0
JUL									
10...	1430	.000	.000	.000	.000	.000	.00	<.01	.0

07263935 BAYOU METO NEAR JACKSONVILLE, AR

LOCATION.--Lat 34°50'39", long 92°07'20", in NE 1/4 SW 1/4 sec.31, T.3 N., R.10 W., Pulaski County, Hydrologic Unit 08020402, at bridge on State Highway 161, 1.2 mi south of Missouri Pacific Railroad bridge and 0.4 mi south of Old Military Road (State Highway 294).

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
NOV, 1983									
01...	0940	9	9827	9827	7.1	--	--	9.4	.5
29...	0915	9	9827	9827	--	5.0	7.0	--	--
JAN, 1984									
03...	1045	9	9827	9827	6.0	12.0	2.0	8.0	6.4
17...	0945	9	9827	9827	6.6	6.0	2.0	8.0	--
FEB									
21...	0950	9	9827	9827	6.3	9.0	10.0	15	7.6
APR									
24...	0940	9	9827	9827	6.7	23.0	18.0	20	3.1
MAY									
22...	0915	9	9827	9827	6.7	--	--	30	1.5
29...	0920	9	9827	9827	7.2	18.0	22.0	25	2.0
JUL									
10...	0945	9	9827	9827	7.4	31.0	29.0	25	.9
31...	1105	9	9827	9827	7.4	26.0	25.0	25	.7
SEP									
04...	0918	9	9827	9827	7.2	20.0	24.0	20	1.1

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	0940	7.2	32	14	250	568	.77	13	.05
29...	0915	--	830	--	--	--	--	--	--
JAN, 1984									
03...	1045	5.8	>600	8.0	26	111	.15	9	.27
17...	0945	2.5	180	9.0	21	74	.10	6	.30
FEB									
21...	0950	3.4	510	7.0	26	89	.12	10	.21
APR									
24...	0940	3.5	2900	11	77	219	.30	18	.27
MAY									
22...	0915	5.7	120	5.0	200	270	.37	37	.15
29...	0920	8.4	80	9.0	170	431	.59	33	.22
JUL									
10...	0945	20	40	7.0	1200	2510	3.4	35	.05
31...	1105	11	900	9.0	650	1310	1.8	26	.06
SEP									
04...	0918	6.1	500	8.0	390	762	1.0	<1	.01

BEST COPY AVAILABLE

07263935 BAYOU METO NEAR JACKSONVILLE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	0940	5.60	3.00	2.25	0	10	12	--	--
JAN, 1984									
03...	1045	2.00	1.00	.540	0	--	11	--	220
17...	0945	1.26	.500	.460	0	4	11	8	50
FEB									
21...	0950	.550	.420	.260	0	<1	<10	14	80
APR									
24...	0940	.600	.530	.350	1	<1	13	15	120
MAY									
22...	0915	.600	.640	.330	0	3	17	9	160
29...	0920	.510	.630	.130	0	<1	11	32	--
JUL									
10...	0945	5.60	--	1.00	0	<1	11	18	--
31...	1105	--	--	--	0	<1	17	--	80
SEP									
04...	0918	2.80	1.65	.780	0	<1	18	25	470

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
10...	0945	.000	.000	.000	.000	.000	.00	<.01	.0

07264000 BAYOU METO NEAR LONOKE, AR

LOCATION.--Lat 34°44'10", long 91°54'58", in SW 1/4 sec.6, T.1 N., R.8 W., Lonoke County, Hydrologic Unit 08020402, near left bank on downstream side of bridge on State Highway 31, 3.0 mi upstream from Brushy Slough, 3.5 mi south of Lonoke, and at mile 106.4.

DRAINAGE AREA.--207 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1954 to current year. Gage-height records and results of discharge measurements since June 1948 at site 4.8 mi upstream are contained in reports of Corps of Engineers, Vicksburg District; published as "Big Bayou Meto near Lonoke."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 199.11 ft National Geodetic Vertical Datum of 1929. Prior to Feb. 10, 1955, water-stage recorder at site 4.8 mi upstream at datum 6.97 ft higher. Feb. 10 to June 29, 1955, nonrecording gage at present site and datum.

REMARKS.--Records good. Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water.

AVERAGE DISCHARGE.--30 years, 290 ft^3/s, 210,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,700 ft^3/s May 18, 1968, gage height, 26.55 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,930 ft^3/s May 9, gage height, 22.36 ft; minimum, 0.61 ft^3/s, Aug. 1, 2, gage height, 4.17 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	11	115	300	226	680	725	83	33	5.0	2.6	19
2	13	11	149	290	186	747	696	180	29	4.2	1.1	22
3	9.8	11	728	290	147	746	818	655	26	6.4	5.7	25
4	8.3	10	1070	280	114	712	909	844	22	5.9	4.2	23
5	9.2	11	1190	280	99	843	949	1020	16	5.6	6.3	24
6	9.3	9.9	1280	276	96	900	1010	1210	15	7.0	23	23
7	8.7	9.2	1360	291	95	913	1040	1470	14	5.2	30	21
8	6.9	10	1380	282	93	942	1030	1830	12	3.7	27	18
9	5.9	11	1320	263	87	948	994	1920	13	4.4	20	29
10	9.7	11	1220	270	76	918	895	1860	13	7.0	16	99
11	14	11	1300	268	70	823	806	1770	19	8.4	10	192
12	20	11	1250	288	122	737	747	1650	18	5.7	8.2	216
13	12	11	1170	318	262	705	670	1480	13	5.4	7.8	199
14	10	14	1170	304	434	689	562	1270	11	8.5	5.9	141
15	8.8	15	1130	261	557	694	443	1010	12	8.4	5.0	88
16	6.7	19	1070	209	624	693	338	704	15	19	6.6	56
17	14	17	984	166	626	653	256	456	17	37	9.8	41
18	33	13	896	134	559	566	203	288	18	91	9.8	33
19	41	38	775	106	449	468	171	189	14	130	7.9	28
20	63	134	638	85	339	400	142	146	14	98	8.3	27
21	66	145	554	70	268	342	113	132	14	59	8.8	25
22	60	134	500	61	221	295	100	143	14	39	8.9	21
23	48	292	460	109	181	257	104	476	12	28	7.6	18
24	37	446	420	265	139	235	102	354	8.9	21	7.5	17
25	32	398	390	406	104	202	84	233	6.4	20	5.4	15
26	25	292	370	508	106	196	66	139	3.6	17	9.2	12
27	19	207	360	538	299	266	53	77	4.4	12	15	9.8
28	16	176	350	498	462	505	51	61	5.5	9.1	19	8.8
29	13	161	330	415	577	605	55	57	4.2	8.8	21	9.8
30	11	136	320	326	---	662	69	49	7.9	6.4	20	7.3
31	11	---	310	269	---	717	---	40	---	4.6	17	---
TOTAL	655.3	2775.1	24559	8426	7618	19059	14201	21796	424.9	690.7	354.6	1467.7
MEAN	21.1	92.5	792	272	263	615	473	703	14.2	22.3	11.4	48.9
MAX	66	446	1380	538	626	948	1040	1920	33	130	30	216
MIN	5.9	9.2	115	61	70	196	51	40	3.6	3.7	1.1	7.3
AC-FT	1300	5500	48710	16710	15110	37800	28170	43230	843	1370	703	2910

CAL YR 1983	TOTAL	113098.13	MEAN	310	MAX	2730	MIN	.00	AC-FT	224300
WTR YR 1984	TOTAL	102027.3	MEAN	279	MAX	1920	MIN	1.1	AC-FT	202400

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR
(National stream-quality accounting network)

LOCATION.--Lat 33°59'20", long 91°18'47", in sec.20, T.8 S., R.3 W., Arkansas County, Hydrologic Unit 08020401 2.0 mi downstream from Arkansas Post Canal, and 9.8 mi southeast of Gillett.

DRAINAGE AREA.--160,475 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--October 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1979 to May 1981.
WATER TEMPERATURES: November 1979 to May 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 26...	1110	9	80513	80010	9900	831	8.2	--	18.5	4.4	9.3
DEC 05...	1000	9	80513	80010	1700	582	7.8	--	11.0	34	12.0
FEB 01...	0930	9	80513	80010	2500	612	7.7	--	4.5	23	11.8
APR 02...	1100	9	80513	80010	166000	530	7.9	--	10.0	60	9.8
JUN 06...	1100	9	80513	80010	8200	650	8.0	--	25.0	31	8.1
AUG 01...	1140	9	80513	80010	.00	505	8.1	37.0	30.0	5.0	7.2

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
OCT 26...	1110	99	766	K36	670	170	55	55	49	12	96
DEC 05...	1000	109	759	490	160	130	41	41	35	9.8	61
FEB 01...	0930	91	766	20	38	79	16	16	22	5.8	25
APR 02...	1100	88	750	100	K12	110	35	35	32	7.0	49
JUN 06...	1100	98	768	28	860	130	47	47	38	9.3	70
AUG 01...	1140	96	759	K6	K2	130	29	29	38	8.7	47

DATE	TIME	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
OCT 26...	1110	54	3	4.0	117	71	150	.30	.3	456	450
DEC 05...	1000	50	2	3.7	87	48	99	.30	2.7	323	310
FEB 01...	0930	40	1	3.0	63	28	33	.10	4.8	177	160
APR 02...	1100	49	2	2.9	74	45	79	.20	4.9	274	260
JUN 06...	1100	53	3	3.2	87	53	110	.20	5.1	419	340
AUG 01...	1140	43	2	3.1	102	43	69	.20	1.0	310	270

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
OCT 26...	1110	.62	<.100	.320	.70	.090	.040	.030	<10	1	130
DEC 05...	1000	.44	.350	.090	1.1	.140	.060	.050	--	--	--
FEB 01...	0930	.24	.510	.250	1.0	.120	.070	.040	110	1	65
APR 02...	1100	.37	.620	.080	1.2	.080	.070	.050	--	--	--
JUN 06...	1100	.57	.650	.150	.50	.120	.060	.050	<10	1	89
AUG 01...	1140	.42	<.100	.170	.70	.110	.020	.050	20	2	90

DATE	TIME	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT 26...	1110	<.5	<1	50	<3	4	14	1	6	1	<.1
FEB 01...	0930	<.5	<1	<1	<3	2	150	1	<4	48	<.1
JUN 06...	1100	--	<1	<1	<3	6	18	5	7	8	<.1
AUG 01...	1140	<.0	<1	<1	<3	4	19	<1	6	24	.4

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 26...	1110	<10	3	<1	<1	400	9	12	1290	83
DEC 05...	1000	--	--	--	--	--	--	56	9330	93
FEB 01...	0930	<10	2	<1	<1	150	5	7	236	84
APR 02...	1100	--	--	--	--	--	--	135	0500	78
JUN 06...	1100	<10	4	<1	1	310	7	531	3400	16
AUG 01...	1140	<10	2	<1	<1	320	8	4	.00	53

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR
(National stream-quality accounting network)

LOCATION.--Lat 33°33'27", long 91°14'15", in sec.18, T.13 S., R.1 W., Chicot County, Hydrologic Unit 08050002, 3.0 mi southwest of Arkansas City, and at mile 554.1.

DRAINAGE AREA.--1,130,600 mi^2, approximately.

PERIOD OF RECORD.--October 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1974 to September 1981.
WATER TEMPERATURES: November 1974 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 25...	1300	9	80513	80010	282000	532	8.1	18.0	30	8.3	88
JAN 31...	1500	9	80513	80010	440000	390	7.6	3.5	40	8.4	63
APR 03...	1130	9	80513	80010	1310000	415	7.8	8.5	90	10.4	90
JUL 09...	1500	9	80513	80010	683000	426	8.0	28.0	75	6.4	81

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 25...	1300	760	440	120	180	49	49	45	16	39	32
JAN 31...	1500	767	440	1200	140	29	29	37	12	16	19
APR 03...	1130	754	140	240	130	39	39	36	10	16	21
JUL 09...	1500	770	1300	120	170	48	48	46	14	13	14

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT 25...	1300	1	3.5	130	83	37	.40	5.3	321	310	.44
JAN 31...	1500	.6	2.7	113	48	17	.20	8.3	234	210	.32
APR 03...	1130	.6	2.6	92	46	22	.20	6.5	217	200	.30
JUL 09...	1500	.4	3.6	125	51	15	.30	7.5	287	230	.39

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
OCT 25...	1300	.950	.220	.50	.220	.090	.080	20	2	93	<.5
JAN 31...	1500	1.50	.200	.70	.130	.060	.040	30	1	69	<.5
APR 03...	1130	2.10	.050	1.4	.100	.100	.050	60	1	60	<.5
JUL 09...	1500	2.70	.100	1.4	.150	.120	.110	<10	2	92	<.0

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT 25...	1300	<1	50	<3	6	16	2	12	4	<.1
JAN 31...	1500	<1	1	<3	4	37	2	<4	13	<.1
APR 03...	1130	<1	1	<3	6	83	3	5	7	<.1
JUL 09...	1500	1	<1	<3	23	14	1	11	3	.2

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 25...	1300	<10	2	2	<1	260	32	89	67800	80
JAN 31...	1500	<10	5	<1	<1	150	20	69	82000	73
APR 03...	1130	<10	1	<1	<1	160	20	365	1290000	67
JUL 09...	1500	<10	15	<1	<1	190	23	220	406000	94

07336860 RED RIVER NEAR FOREMAN, AR

LOCATION.--Lat 33°34'12", long 94°24'39" in sec.10, T.14 S., R.32 W., Little River County, Hydrologic Unit 11140106, at bridge on State Highway 41, 10.7 mi south of Foreman.

DRAINAGE AREA.--47,648 mi^2, of which 5,936 mi^2 is probably noncontributing.

PERIOD OF RECORD.--May 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983 18...	0800	9	9827	9827	1130	8.0	21.0	20.0	15	8.2
NOV 08...	0800	9	9827	9827	18400	8.0	16.0	15.0	110	8.6
DEC 13...	0800	9	9827	9827	5080	7.9	8.0	9.0	120	10.0
JAN, 1984 17...	0800	9	9827	9827	3830	7.9	2.0	2.0	--	12.8
FEB 14...	0800	9	9827	9827	10500	7.7	9.0	11.0	400	7.9
MAR 13...	0800	9	9827	9827	15400	7.8	10.0	9.0	110	10.5
APR 10...	0800	9	9827	9827	14000	7.9	16.0	10.0	65	9.4
MAY 15...	0800	9	9827	9827	5420	8.0	18.0	24.0	60	7.7
JUN 12...	0800	9	9827	9827	3020	8.0	21.0	26.0	25	--
JUL 17...	0800	9	9827	9827	3920	8.0	24.0	28.0	30	7.5
AUG 14...	1115	9	9827	9827	2860	8.2	28.0	28.0	30	7.9
SEP 11...	1000	9	9827	9827	2000	8.1	26.0	26.0	--	7.8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1983 18...	0800	4.6	--	97	120	562	.76	2[illegible]	.04	--
NOV 08...	0800	1.6	220	110	240	818	1.1	84	.32	.090
DEC 13...	0800	2.4	1300	95	130	537	.73	146	.34	.070
JAN, 1984 17...	0800	2.1	--	110	180	551	.75	45	.35	--
FEB 14...	0800	4.6	2900	54	78	326	.44	479	.49	.210
MAR 13...	0800	1.4	1600	150	240	767	1.0	192	.30	.030
APR 10...	0800	2.2	140	97	180	635	.86	103	.21	.040
MAY 15...	0800	3.4	60	140	200	676	.92	112	<.01	<.010
JUN 12...	0800	3.0	<10	170	25	802	1.1	63	.01	<.010
JUL 17...	0800	3.3	44	200	29	890	1.2	41	.04	<.010
AUG 14...	1115	3.7	50	200	320	958	1.3	54	--	<.010
SEP 11...	1000	3.1	50	180	270	906	1.2	46	.06	<.010

07336860 RED RIVER NEAR FOREMAN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1983 18...	0800	.070	<.010	--	0	<1	13	23	--	--
NOV 08...	0800	--	.020	<5	0	12	--	27	<5	90
DEC 13...	0800	.180	--	--	0	9	15	18	--	90
JAN, 1984 17...	0800	.090	.030	--	0	3	69	--	--	--
FEB 14...	0800	.520	.090	16	0	16	43	110	<5	190
MAR 13...	0800	.200	.050	--	0	--	24	54	--	170
APR 10...	0800	.140	.040	<5	0	3	34	26	<5	190
MAY 15...	0800	.130	.010	--	0	3	12	28	--	50
JUN 12...	0800	.120	.010	--	0	<1	--	--	--	--
JUL 17...	0800	.080	.020	--	0	<1	35	--	--	--
AUG 14...	1115	.110	.020	<5	0	4	32	29	<5	50
SEP 11...	1000	.120	<.010	--	0	<1	41	33	--	80

07337000 RED RIVER AT INDEX, AR

LOCATION.--Lat 33°33'07", long 94°02'28", in NW 1/4 SW 1/4 sec.7, T.14 S., R.28 W., Miller County, Hydrologic Unit 11140106, near right bank on downstream side of southbound bridge on U.S. Highway 71 at Index, 2.2 mi south of Ogden, 20.6 mi upstream from Little River, and at mile 485.3.

DRAINAGE AREA.--48,030 mi^2, of which 5,936 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1936 to current year. Gage-height records collected at same site since 1917 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.87 ft National Geodetic Vertical Datum of 1929. Prior to Dec. 12, 1939, nonrecording gage, and Dec. 12, 1939, to July 19, 1979, water-stage recorder, at site 500 ft downstream at present datum.

REMARKS.--Records good. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft.

AVERAGE DISCHARGE.--48 years, 11,620 ft^3/s, 8,419,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 297,000 ft^3/s Feb. 23, 1938, gage height, 34.25 ft; minimum, 378 ft^3/s Nov. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40,100 ft^3/s May 5, gage height, 14.34 ft; minimum daily, 1,130 ft^3/s Oct. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1680	25800	8960	4800	2590	17400	29600	5650	7090	3500	3030	2570
2	2340	27000	8690	4090	2330	18100	25800	5560	8880	3800	2850	2360
3	2950	27300	9030	3470	2260	15500	22800	15300	7890	4050	2300	3070
4	2810	27500	8670	3480	2170	12300	19100	33500	5650	4440	1920	3270
5	2740	27200	7570	3840	2240	10700	16000	38700	4470	5310	2010	3030
6	2670	25800	6490	3900	2850	9930	16000	31900	4250	5000	2290	2470
7	2520	22100	5910	3440	2620	8860	16200	25600	4060	4760	2300	2050
8	2660	19100	5310	3630	2090	7250	13500	21600	3290	5670	2590	1870
9	3430	17800	4730	3280	2070	6770	12100	18600	2870	5320	2370	1900
10	3530	17600	4270	3100	2110	7760	12600	16500	3310	4410	2160	1950
11	2750	17500	4360	3110	1980	7810	14600	15400	3660	3980	1930	2120
12	2110	17500	4750	2930	3330	8410	15700	14400	3650	3720	1880	2290
13	1700	16800	5310	2570	7700	12200	19200	11600	3600	3220	2260	2100
14	1520	14000	4770	2440	12000	18900	19900	8860	3520	3240	2780	1730
15	1420	12100	4540	3910	10600	26200	17400	7020	2860	3900	3110	1560
16	1320	11500	4610	4930	10500	25900	13600	5990	2420	4120	2770	1450
17	1220	11300	4570	4460	9570	23900	11300	5390	3090	4000	2230	1410
18	1160	11100	4270	3780	8360	22400	9880	4840	4670	3820	1810	1390
19	1130	11400	4240	3250	7130	20300	8750	4740	5210	3510	1810	1350
20	1160	11500	4270	2900	5400	18100	7550	5130	5310	2910	2250	1310
21	1150	10800	4300	2700	4520	18000	7220	4670	4730	2740	2500	1280
22	1250	9090	3920	3890	4480	20100	7650	4900	3890	3180	2560	1330
23	2070	8590	3540	4830	4270	21400	10100	4610	3670	3390	2560	1360
24	2300	8330	3610	4590	3400	21200	11600	4320	3850	3440	2500	1320
25	2100	8330	2380	4270	3430	24400	13300	5930	3750	3460	2500	1330
26	2300	9280	2080	3820	4190	27000	13600	6490	3500	3440	2590	1320
27	14100	10000	2820	3120	4530	26700	11200	5660	3640	2640	2730	1290
28	27900	10500	4200	3020	5000	31600	8900	5190	3640	2300	2630	1370
29	30900	10800	4440	3160	9570	36200	6840	5090	3160	2750	2400	1420
30	31200	9690	5050	2910	---	34500	5770	5100	3070	3120	2820	1360
31	27100	---	5370	2780	---	32600	---	4940	---	3160	3040	---
TOTAL	185190	467310	157030	110400	143290	592390	417760	353180	126650	116300	75480	54630
MEAN	5974	15580	5065	3561	4941	19110	13930	11390	4222	3752	2435	1821
MAX	31200	27500	9030	4930	12000	36200	29600	38700	8880	5670	3110	3270
MIN	1130	8330	2080	2440	1980	6770	5770	4320	2420	2300	1810	1280
AC-FT	367300	926900	311500	219000	284200	1175000	828600	700500	251200	230700	149700	108400

CAL YR 1983 TOTAL 3595720 MEAN 9851 MAX 43900 MIN 1130 AC-FT 7132000
WTR YR 1984 TOTAL 2799610 MEAN 7649 MAX 38700 MIN 1130 AC-FT 5553000

07337000 RED RIVER AT INDEX, AR--CONTINUED
(National stream-quality accounting network)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-1956, April 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January to September 1981.
WATER TEMPERATURE: January to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 12...	1045	9	80513	80010	2160	1290	8.1	21.0	8.0	8.0	91
DEC 12...	1300	9	80513	80010	4760	830	7.8	11.0	39	9.4	86
FEB 08...	0800	9	80513	80010	2000	994	8.0	6.5	12	13.6	110
APR 11...	1015	9	80513	80010	13600	930	7.7	15.0	80	9.8	98
JUN 20...	0915	9	80513	80010	4900	1610	8.3	30.0	17	6.4	86
AUG 30...	1100	9	80513	80010	2990	825	8.3	25.0	15	5.8	70

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 12...	1045	759	150	140	310	165	170	80	26	140	49
DEC 12...	1300	759	650	270	190	88	88	53	15	96	51
FEB 08...	0800	768	390	68	260	61	61	69	20	100	46
APR 11...	1015	757	600	K2500	200	105	110	55	15	96	51
JUN 20...	0915	758	86	180	340	214	210	89	29	180	53
AUG 30...	1100	766	49	610	330	182	180	87	28	210	57

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT 12...	1045	4	5.7	142	170	220	.30	4.1	768	730	1.0
DEC 12...	1300	3	4.2	107	100	130	.20	5.8	483	470	.66
FEB 08...	0800	3	3.9	195	100	140	.20	5.5	597	560	.81
APR 11...	1015	3	3.3	94	120	160	.20	5.3	507	510	.69
JUN 20...	0915	4	5.0	129	220	310	.30	2.3	1060	910	1.4
AUG 30...	1100	5	4.9	152	210	.00	.30	4.8	629	640	.86

07337000 RED RIVER AT INDEX, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
OCT 12...	1045	<.100	.050	.60	.080	.010	<.010	--	--	--	--
DEC 12...	1300	.370	.160	.50	.120	.050	.050	150	2	130	.5
FEB 08...	0800	<.100	<.010	1.1	.100	.020	<.010	30	1	170	<.5
APR 11...	1015	.280	.240	2.1	.170	.040	.020	--	--	--	--
JUN 20...	0915	<.100	.110	1.1	.090	<.010	.010	20	1	250	<.0
AUG 30...	1100	<.100	.090	.80	.080	.020	<.010	30	2	220	<.0

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
DEC 12...	1300	1	30	<3	3	120	2	8	29	<.1
FEB 08...	0800	<1	2	<3	2	59	1	14	46	.4
JUN 20...	0915	<1	<1	<3	1	13	9	15	7	.1
AUG 30...	1100	<1	1	<3	3	28	3	21	33	.3

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 12...	1045	--	--	--	--	--	--	22	128	80
DEC 12...	1300	<10	1	<1	<1	520	16	97	1250	78
FEB 08...	0800	<10	2	<1	<1	670	8	16	86	91
APR 11...	1015	--	--	--	--	--	--	374	13700	65
JUN 20...	0915	<10	1	<1	<1	1100	13	63	833	65
AUG 30...	1100	<10	1	<1	1	1100	16	46	371	86

07338720 MOUNTAIN FORK NEAR HATFIELD, AR

LOCATION.--Lat 34°30'12", long 94°25'50", in NE 1/4 NE 1/4 sec.17, T.3 S., R.32 W., Polk County, Hydrologic Unit 11140108, at bridge on State Highway 246, 3.1 mi (5.0 km) northeast of Hatfield.

PERIOD OF RECORD.--October 1968 to April 1974, November 1979 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983 15...	1000	9	9827	9827	6.9	18.0	12.0	2.2	11.1
DEC 06...	0850	9	9827	9827	6.4	2.0	11.0	20	11.1
JAN, 1984 10...	1010	9	9827	9827	6.6	5.0	3.0	20	15.8
FEB 07...	0949	9	9827	9827	6.8	11.0	3.0	6.0	17.8
MAR 06...	0900	9	9827	9827	6.3	12.0	9.0	9.3	11.5
APR 17...	0940	9	9827	9827	6.7	22.0	15.0	5.0	10.3
MAY 15...	0905	9	9827	9827	6.7	22.0	22.0	5.0	8.5
JUN 12...	0905	9	9827	9827	6.7	31.0	26.0	4.0	7.5
JUL 24...	0845	9	9827	9827	6.7	25.0	25.0	6.6	8.7
AUG 28...	1138	9	9827	9827	7.0	31.0	28.0	5.0	7.3
SEP 25...	1012	9	9827	9827	--	26.0	24.0	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983 15...	1000	2.6	4	2.0	9.5	37	.05	4	.10
DEC 06...	0850	1.5	230	3.0	3.5	41	.06	5	.38
JAN, 1984 10...	1010	1.3	74	5.0	3.5	40	.05	6	.17
FEB 07...	0949	1.6	<4	5.0	90	41	.06	2	.12
MAR 06...	0900	1.3	90	--	2.5	30	.04	2	--
APR 17...	0940	.9	<10	2.0	2.5	34	.05	2	.05
MAY 15...	0905	1.8	100	8.0	2.0	40	.05	4	.03
JUN 12...	0905	1.8	12	2.0	--	36	.05	--	.04
JUL 24...	0845	3.1	16	--	2.0	31	.04	10	.03
AUG 28...	1138	2.1	140	2.0	3.0	31	.04	7	<.01
SEP 25...	1012	--	210	--	--	--	--	--	--

07338720 MOUTAIN FORK NEAR HATFIELD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983 15...	1000	<.010	.160	.140	0	<1	10	<1	0
DEC 06...	0850	.030	.030	.020	0	1	<10	<1	0
JAN, 1984 10...	1010	.060	.050	.010	0	--	<10	<1	0
FEB 07...	0949	.050	.010	.010	0	<1	--	<1	--
MAR 06...	0900	--	--	.050	0	<1	<10	--	0
APR 17...	0940	.010	.040	.020	0	2	<10	--	0
MAY 15...	0905	<.010	.040	.040	0	<1	--	--	0
JUN 12...	0905	<.010	.060	.090	0	<1	<10	<1	0
JUL 24...	0845	.190	.050	.050	0	<1	<10	<1	0
AUG 28...	1138	<.010	.050	.030	0	<1	<10	<1	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984 24...	0845	.000	.000	.000	.000	.000	.00	<.01	.0

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR

LOCATION.--Lat 34°05'53", long 94°22'51", in SW 1/4 NW 1/4 sec.2, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at DeQueen Dam on Rolling Fork about 4.2 mi northwest of DeQueen, and at mile 22.8.

DRAINAGE AREA.--169 mi^2.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
OCT								
11...	1330	9	80513	80513	.00	49.0	44	8.7
11...	1332	9	80513	80513	10.0	49.0	44	8.6
11...	1334	9	80513	80513	20.0	49.0	44	8.6
11...	1336	9	80513	80513	30.0	49.0	48	8.4
11...	1338	9	80513	80513	40.0	49.0	74	8.4
11...	1340	9	80513	80513	49.0	49.0	120	8.5

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
11...	1330	22.0	36.0	.90	5.0	58	752
11...	1332	22.0	--	--	4.3	--	--
11...	1334	22.0	--	--	4.4	--	--
11...	1336	22.0	--	--	3.0	--	--
11...	1338	22.0	--	--	.2	--	--
11...	1340	21.0	--	--	.0	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV								
02...	1300	9	80513	80513	.00	54.0	48	6.9
02...	1302	9	80513	80513	10.0	54.0	48	6.8
02...	1304	9	80513	80513	20.0	54.0	50	6.7
02...	1306	9	80513	80513	30.0	54.0	50	6.7
02...	1308	9	80513	80513	40.0	54.0	54	6.6
02...	1309	9	80513	80513	50.0	54.0	58	6.4
02...	1310	9	80513	80513	54.0	54.0	62	6.4

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
02...	1300	19.0	62.4	1.60	6.6	71	759
02...	1302	19.0	--	--	5.0	--	--
02...	1304	18.5	--	--	4.2	--	--
02...	1306	18.0	--	--	4.1	--	--
02...	1308	18.0	--	--	2.1	--	--
02...	1309	18.0	--	--	.2	--	--
02...	1310	18.0	--	--	.1	--	--

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) 00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
13...	0800	9	80513	80513	.00	60.0	43	7.2	5.0	10.5	38.4
13...	0801	9	80513	80010	3.00	60.0	--	--	--	--	--
13...	0802	9	80513	80513	10.0	60.0	43	7.2	--	10.5	--
13...	0805	9	80513	80010	12.0	60.0	43	7.2	--	10.5	--
13...	0806	9	80513	80513	20.0	60.0	43	7.2	--	10.5	--
13...	0808	9	80513	80513	30.0	60.0	43	7.2	--	10.5	--
13...	0809	9	80513	80513	40.0	60.0	43	7.2	--	10.5	--
13...	0810	9	80513	80010	48.0	60.0	41	7.2	--	10.5	--
13...	0813	9	80513	80513	50.0	60.0	40	7.2	--	10.5	--
13...	0815	9	80513	80513	60.0	60.0	39	7.2	--	9.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
13...	0800	1.00	8.5	78	748	--	--	--	26	--	--
13...	0801	--	--	--	748	--	--	--	--	--	--
13...	0802	--	8.4	--	--	--	--	--	--	--	--
13...	0805	--	8.4	77	748	14	8.9	1.1	--	9	0
13...	0806	--	8.4	--	--	--	--	--	--	--	--
13...	0808	--	8.4	--	--	--	--	--	--	--	--
13...	0809	--	8.4	--	--	--	--	--	--	--	--
13...	0810	--	8.0	73	748	17	14	1.4	--	9	0
13...	0813	--	8.0	--	--	--	--	--	--	--	--
13...	0815	--	8.0	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
13...	0805	0	2.1	5.0	.90	1.1	10	3.0	4.1	.300
13...	0810	0	2.0	5.0	.90	1.1	10	3.0	4.3	.300

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
DEC										
13...	0805	.380	.02	.40	.70	.030	.030	190	1	10
13...	0810	.160	.24	.40	.70	.060	<.010	230	1	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
13...	0801	--	--	--	--	--	--	--	3.00	.600
13...	0805	6	450	4	40	<.1	1	20	--	--
13...	0810	7	470	4	50	<.1	1	10	--	--

BEST COPY AVAILABLE

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN											
10...	0800	9	80513	80513	.00	68.0	32	7.4	6.0	69.6	10.8
10...	0802	9	80513	80513	10.0	68.0	32	7.3	6.0	--	10.6
10...	0805	9	80513	80513	20.0	68.0	32	7.3	6.0	--	10.4
10...	0807	9	80513	80513	30.0	68.0	32	7.3	6.0	--	9.0
10...	0809	9	80513	80513	40.0	68.0	32	7.4	6.0	--	9.0
10...	0811	9	80513	80513	50.0	68.0	32	7.6	6.0	--	9.0
10...	0812	9	80513	80513	60.0	68.0	32	7.6	6.0	--	9.0
10...	0815	9	80513	80513	68.0	68.0	32	7.6	6.0	--	9.0

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
FEB								
07...	1000	9	80513	80513	.00	58.0	40	6.5
07...	1002	9	80513	80513	10.0	58.0	40	6.7
07...	1004	9	80513	80513	20.0	58.0	40	6.7
07...	1006	9	80513	80513	30.0	58.0	40	6.7
07...	1008	9	80513	80513	40.0	58.0	40	6.7
07...	1009	9	80513	80513	50.0	58.0	40	6.5
07...	1010	9	80513	80513	58.0	58.0	40	6.5

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
07...	1000	5.5	45.6	1.20	12.0	95	764
07...	1002	5.0	--	--	12.2	--	--
07...	1004	5.0	--	--	12.2	--	--
07...	1006	5.0	--	--	12.2	--	--
07...	1008	5.0	--	--	12.1	--	--
07...	1009	5.0	--	--	12.0	--	--
07...	1010	5.0	--	--	12.0	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR								
20...	0930	9	80513	80513	.00	72.0	32	6.8
20...	0932	9	80513	80513	10.0	72.0	32	6.8
20...	0934	9	80513	80513	20.0	72.0	32	6.8
20...	0936	9	80513	80513	30.0	72.0	32	6.8
20...	0938	9	80513	80513	40.0	72.0	32	6.8
20...	0940	9	80513	80513	50.0	72.0	32	6.8
20...	0942	9	80513	80513	60.0	72.0	32	6.8
20...	0944	9	80513	80513	70.0	72.0	32	6.8
20...	0945	9	80513	80513	72.0	72.0	32	6.8

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
20...	0930	11.5	38.4	1.00	10.2	95	753
20...	0932	11.5	--	--	10.4	--	--
20...	0934	11.5	--	--	8.4	--	--
20...	0936	11.5	--	--	7.2	--	--
20...	0938	11.0	--	--	7.2	--	--
20...	0940	10.0	--	--	7.4	--	--
20...	0942	9.0	--	--	7.4	--	--
20...	0944	8.5	--	--	7.6	--	--
20...	0945	8.5	--	--	7.6	--	--

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)
APR								
10...	0800	9	80513	80513	.00	56.0	32	7.0
10...	0802	9	80513	80513	10.0	56.0	32	6.9
10...	0804	9	80513	80513	20.0	56.0	32	6.8
10...	0806	9	80513	80513	30.0	56.0	32	6.8
10...	0808	9	80513	80513	40.0	56.0	32	6.7
10...	0810	9	80513	80513	50.0	56.0	32	6.6
10...	0815	9	80513	80513	56.0	56.0	32	6.4

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
APR							
10...	0800	14.0	38.4	1.00	9.6	94	756
10...	0802	13.5	--	--	9.3	--	--
10...	0804	13.0	--	--	9.1	--	--
10...	0806	12.5	--	--	8.9	--	--
10...	0808	12.0	--	--	8.3	--	--
10...	0810	12.0	--	--	8.1	--	--
10...	0815	11.5	--	--	7.3	--	--

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)
MAY											
08...	1830	9	80513	80513	.00	72.0	32	8.6	22.0	20.0	48.0
08...	1831	9	80513	80010	3.00	72.0	--	--	--	--	--
08...	1832	9	80513	80513	10.0	72.0	32	8.5	--	20.0	--
08...	1835	9	80513	80010	14.5	72.0	32	6.9	--	20.0	--
08...	1836	9	80513	80513	20.0	72.0	32	8.0	--	19.5	--
08...	1838	9	80513	80513	22.0	72.0	32	7.5	--	18.5	--
08...	1839	9	80513	80513	27.0	72.0	32	7.4	--	17.5	--
08...	1841	9	80513	80513	30.0	72.0	32	6.9	--	16.5	--
08...	1844	9	80513	80513	40.0	72.0	32	6.8	--	15.5	--
08...	1848	9	80513	80513	50.0	72.0	32	6.7	--	15.0	--
08...	1855	9	80513	80010	57.5	72.0	32	6.7	--	14.5	--
8...	1859	9	80513	80513	60.0	72.0	32	6.3	--	14.5	--
08...	1910	9	80513	80513	70.0	72.0	36	6.2	--	14.0	--
08...	1915	9	80513	80513	72.0	72.0	38	6.0	--	14.0	--

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3) (95902)
MAY											
08...	1830	1.20	9.2	101	765	--	--	--	2	--	--
08...	1831	--	--	--	765	--	--	--	--	--	--
08...	1832	--	9.2	--	--	--	--	--	--	--	--
08...	1835	--	9.1	100	765	15	26	2.7	--	8	0
08...	1836	--	8.6	--	--	--	--	--	--	--	--
08...	1838	--	8.5	--	--	--	--	--	--	--	--
08...	1839	--	7.6	--	--	--	--	--	--	--	--
08...	1841	--	7.6	--	--	--	--	--	--	--	--
08...	1844	--	7.8	--	--	--	--	--	--	--	--
08...	1848	--	8.0	--	--	--	--	--	--	--	--
08...	1855	--	7.5	73	765	20	11	1.7	--	8	0
08...	1859	--	7.3	--	--	--	--	--	--	--	--
08...	1910	--	4.2	--	--	--	--	--	--	--	--
08...	1915	--	3.0	--	--	--	--	--	--	--	--

BEST COPY AVAILABLE

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY										
08...	1835	0	1.8	5.0	.80	.8	8	3.8	1.8	.200
08...	1855	0	1.8	5.0	.80	.8	8	3.8	1.7	.200

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
MAY										
08...	1835	.240	.06	.30	.50	<.020	<.020	80	<1	30
08...	1855	.240	.06	.30	.50	<.020	<.020	270	<1	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
08...	1831	--	--	--	--	--	--	--	<.100	<.100
08...	1835	1	140	<1	100	<.1	3	10	--	--
08...	1855	1	450	<1	70	<.1	2	10	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JUN								
18...	1800	9	80513	80513	.00	62.0	34	8.1
18...	1802	9	80513	80513	6.00	62.0	34	8.2
18...	1804	9	80513	80513	8.00	62.0	34	8.6
18...	1806	9	80513	80513	10.0	62.0	34	8.7
18...	1808	9	80513	80513	12.0	62.0	34	8.3
18...	1810	9	80513	80513	13.0	62.0	34	7.4
18...	1812	9	80513	80513	15.0	62.0	34	6.8
18...	1814	9	80513	80513	18.0	62.0	34	6.4
18...	1816	9	80513	80513	20.0	62.0	34	6.2
18...	1818	9	80513	80513	25.0	62.0	34	6.1
18...	1820	9	80513	80513	30.0	62.0	34	6.1
18...	1822	9	80513	80513	35.0	62.0	34	6.1
18...	1824	9	80513	80513	40.0	62.0	34	6.1
18...	1826	9	80513	80513	50.0	62.0	34	6.1
18...	1828	9	80513	80513	60.0	62.0	34	6.4
18...	1830	9	80513	80513	62.0	62.0	34	6.5

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
18...	1800	31.0	69.6	1.80	7.2	97	760
18...	1802	30.0	--	--	7.4	--	--
18...	1804	29.0	--	--	7.9	--	--
18...	1806	28.0	--	--	8.3	--	--
18...	1808	27.0	--	--	8.0	--	--
18...	1810	26.0	--	--	7.3	--	--
18...	1812	25.0	--	--	6.2	--	--
18...	1814	24.0	--	--	3.2	--	--
18...	1816	23.0	--	--	1.5	--	--
18...	1818	22.0	--	--	1.5	--	--
18...	1820	21.0	--	--	1.9	--	--
18...	1822	20.0	--	--	1.5	--	--
18...	1824	19.5	--	--	.5	--	--
18...	1826	19.0	--	--	.1	--	--
18...	1828	18.0	--	--	.1	--	--
18...	1830	17.0	--	--	.1	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
24...	0900	9	80513	80513	.00	56.0	30	7.0	28.0	68.4
24...	0902	9	80513	80010	3.00	56.0	30	7.0	28.0	--
24...	0904	9	80513	80513	10.0	56.0	30	7.0	28.0	--
24...	0906	9	80513	80513	17.0	56.0	30	6.3	27.0	--
24...	0908	9	80513	80513	18.0	56.0	34	6.1	26.0	--
24...	0910	9	80513	80513	19.0	56.0	34	6.0	25.0	--
24...	0912	9	80513	80513	20.0	56.0	34	6.0	24.0	--
24...	0914	9	80513	80513	22.0	56.0	34	6.0	23.0	--
24...	0916	9	80513	80513	24.0	56.0	34	6.0	22.0	--
24...	0920	9	80513	80513	27.0	56.0	34	6.0	21.0	--
24...	0922	9	80513	80513	30.0	56.0	34	6.0	20.0	--
24...	0924	9	80513	80513	40.0	56.0	44	6.2	19.0	--
24...	0926	9	80513	80513	50.0	56.0	56	6.4	18.5	--
24...	0930	9	80513	80513	56.0	56.0	64	6.5	17.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
24...	0900	1.70	6.8	87	764	--	--	--	--	--
24...	0902	--	6.7	85	764	<.100	<.010	<.010	5.70	<.100
24...	0904	--	6.4	--	--	--	--	--	--	--
24...	0906	--	3.3	--	--	--	--	--	--	--
24...	0908	--	.5	--	--	--	--	--	--	--
24...	0910	--	.5	--	--	--	--	--	--	--
24...	0912	--	.4	--	--	--	--	--	--	--
24...	0914	--	.4	--	--	--	--	--	--	--
24...	0916	--	.4	--	--	--	--	--	--	--
24...	0920	--	.3	--	--	--	--	--	--	--
24...	0922	--	.3	--	--	--	--	--	--	--
24...	0924	--	.3	--	--	--	--	--	--	--
24...	0926	--	.3	--	--	--	--	--	--	--
24...	0930	--	.3	--	--	--	--	--	--	--

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
AUG										
28...	1530	9	80513	80513	.00	68.0	34	7.7	37.0	26.0
28...	1531	9	80513	80010	3.00	68.0	34	7.7	--	25.5
28...	1533	9	80513	80513	10.0	68.0	34	7.0	--	25.0
28...	1535	9	80513	80010	13.0	68.0	34	6.8	--	24.5
28...	1537	9	80513	80513	19.0	68.0	34	6.0	--	23.5
28...	1539	9	80513	80513	20.0	68.0	40	6.0	--	23.0
28...	1540	9	80513	80513	21.0	68.0	42	6.0	--	22.0
28...	1541	9	80513	80513	22.0	68.0	42	6.0	--	21.0
28...	1542	9	80513	80513	24.0	68.0	42	6.0	--	20.0
28...	1543	9	80513	80513	26.0	68.0	44	6.0	--	19.0
28...	1544	9	80513	80513	28.0	68.0	46	6.0	--	18.0
28...	1545	9	80513	80513	30.0	68.0	48	6.0	--	17.5
28...	1546	9	80513	80513	37.0	68.0	58	6.2	--	16.5
28...	1547	9	80513	80513	40.0	68.0	60	6.3	--	16.0
28...	1548	9	80513	80513	50.0	68.0	70	6.4	--	15.5
28...	1550	9	80513	80010	54.0	68.0	74	6.4	--	15.5
28...	1552	9	80513	80513	60.0	68.0	90	6.5	--	14.5
28...	1555	9	80513	80513	68.0	68.0	150	6.5	--	13.5

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
AUG										
28...	1530	67.2	1.70	7.6	94	761	--	--	--	16
28...	1531	--	--	7.6	93	761	--	--	68	--
28...	1533	--	--	6.5	--	--	--	--	--	--
28...	1535	--	--	6.3	76	761	2	1.0	1.3	--
28...	1537	--	--	.7	--	--	--	--	--	--
28...	1539	--	--	.3	--	--	--	--	--	--
28...	1540	--	--	.2	--	--	--	--	--	--
28...	1541	--	--	.2	--	--	--	--	--	--
28...	1542	--	--	.1	--	--	--	--	--	--
28...	1543	--	--	.1	--	--	--	--	--	--
28...	1544	--	--	.1	--	--	--	--	--	--
28...	1545	--	--	.1	--	--	--	--	--	--
28...	1546	--	--	.1	--	--	--	--	--	--
28...	1547	--	--	.1	--	--	--	--	--	--
28...	1548	--	--	.1	--	--	--	--	--	--
28...	1550	--	--	.1	1	761	100	2.5	1.0	--
28...	1552	--	--	.1	--	--	--	--	--	--
28...	1555	--	--	.1	--	--	--	--	--	--

DATE	TIME	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
AUG										
28...	1535	12	3.3	2.1	<.100	.010	<.010	90	2	10
28...	1550	22	2.1	2.4	<.100	.180	.160	70	6	10

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG										
28...	1531	--	--	--	--	--	--	--	1.80	<.100
28...	1535	1	230	1	30	<.1	2	20	--	--
28...	1550	1	6500	1	2000	<.1	1	30	--	--

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (000[illegible])	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)
SEP										
25...	0900	9	80513	80513	.00	62.0	32	6.8	25.0	78.0
25...	0901	9	80513	80010	3.00	62.0	32	6.7	25.0	--
25...	0902	9	80513	80513	10.0	62.0	32	6.6	25.0	--
25...	0904	9	80513	80513	20.0	62.0	32	6.4	24.5	--
25...	0906		80513	80513	25.0	62.0	36	6.1	23.5	--
25...	0908	9	80513	80513	27.0	62.0	48	6.1	22.5	--
25...	0910	9	80513	80513	30.0	62.0	48	6.2	21.5	--
25...	0912	9	80513	80513	35.0	62.0	56	6.3	20.5	--
25...	0914	9	80513	80513	40.0	62.0	62	6.4	19.5	--
25...	0916	9	80513	80513	45.0	62.0	68	6.4	18.5	--
25...	0918	9	80513	80513	50.0	62.0	74	6.5	18.0	--
25...	0919	9	80513	80513	60.0	62.0	90	6.5	17.5	--
25...	0920	9	80513	80513	62.0	62.0	106	6.6	17.0	--

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP									
25...	0900	2.00	6.8	82	762	--	--	--	--
25...	0901	--	6.8	82	762	.010	<.010	4.50	<.100
25...	0902	--	6.7	--	--	--	--	--	--
25...	0904	--	4.9	--	--	--	--	--	--
25...	0906	--	.4	--	--	--	--	--	--
25...	0908	--	.1	--	--	--	--	--	--
25...	0910	--	.1	--	--	--	--	--	--
25...	0912	--	.1	--	--	--	--	--	--
25...	0914	--	.1	--	--	--	--	--	--
25...	0916	--	.1	--	--	--	--	--	--
25...	0918	--	.1	--	--	--	--	--	--
25...	0919	--	.1	--	--	--	--	--	--
25...	0920	--	.1	--	--	--	--	--	--

07339452 ROLLING FORK BELOW DEQUEEN LAKE NEAR DEQUEEN, AR

LOCATION.--Lat 34°05'51", long 94°22'50", in SW 1/4 NW 1/4 sec.2, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at DeQueen Dam about 4.2 mi northwest of DeQueen, and at mile 22.8.

DRAINAGE AREA.--169 mi².

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 11...	1300	9	80513	80513	12	46	8.4	21.5	8.0
NOV 02...	1245	9	80513	80513	12	48	6.9	19.5	9.4

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC 13...	0730	9	80513	80010	1100	39	6.8	5.0	10.0	11.2

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC 13...	0730	101	748	13	12	1.0	16	9	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC 13...	0730	2.2	6.0	.90	1.1	10	3.0	4.1	.300

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
DEC 13...	0730	.240	.16	.40	.70	.110	.010	230	1

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC 13...	0730	<10	4	510	6	40	<.1	1	20

07339452 ROLLING FORK RIVER BELOW DEQUEEN DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD NITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 10...	0730	9	80513	80513	29	32	7.6	6.5	12.0
FEB 07...	0930	9	80513	80513	60	40	6.7	5.0	13.0
MAR 20...	0900	9	80513	80513	1350	32	7.1	10.5	11.0
APR 10...	0730	9	80513	80513	934	32	7.1	12.0	10.3

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY 08...	1745	9	80513	80010	1810	32	6.8	22.0	15.0	8.6

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
MAY 08...	1745	85	765	25	12	2.0	81	8	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY 08...	1745	1.8	5.0	.80	.8	8	3.9	2.1	.200

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 08...	1745	.130	.17	.30	.50	.020	.020	270	<1

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 08...	1745	10	1	420	1	60	<.1	3	<10

07339452 ROLLING FORK RIVER BELOW DEQUEEN DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 18...	1730	9	80513	80513	29	34	7.2	29.5	6.8
JUL 24...	0830	9	80513	80513	28	32	7.0	28.0	7.2

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
AUG 28...	1500	9	80513	80010	29	36	6.8	36.0	25.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
AUG 28...	1500	7.4	91	761	4	3.2	1.6	4	12

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
AUG 28...	1500	3.4	2.1	<.100	.020	<.010	110	1	<10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 28...	1500	1	670	1	120	<.1	4	10

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 25...	0830	9	80513	80513	23	34	6.6	25.0	7.6

07339795 BEAR CREEK NEAR HORATIO, AR

LOCATION.--Lat 33°59'10" long 94°23'01" in NW 1/4 SE 1/4 sec.14, T.9 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at bridge on county road 5.5 mi south of DeQueen, Ark., and 4.3 mi northwest of State Highway 41.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
NOV, 1983									
08...	0935	9	9827	9827	7.2	16.0	13.0	40	.0
DEC									
13...	0900	9	9827	9827	6.8	9.0	9.0	35	8.7
JAN, 1984									
17...	0845	9	9827	9827	7.0	2.0	2.0	--	9.8
FEB									
14...	0900	9	9827	9827	6.6	10.0	9.0	40	10.1
MAR									
13...	0910	9	9827	9827	6.3	11.0	9.0	60	9.9
APR									
10...	0845	9	9827	9827	7.2	17.0	15.0	30	7.7
MAY									
15...	0935	9	9827	9827	6.6	20.0	20.0	20	4.9
JUN									
12...	0900	9	9827	9827	6.9	22.0	22.0	20	--
JUL									
17...	0850	9	9827	9827	7.0	24.0	24.0	35	2.4
AUG									
14...	1015	9	9827	9827	6.8	26.0	22.0	20	3.1
SEP									
11...	0900	9	9827	9827	7.1	23.0	22.0	--	2.6

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
08...	0935	--	>600	9.0	23	176	.24	95	.03
DEC									
13...	0900	3.8	690	6.0	9.0	63	.09	16	.20
JAN, 1984									
17...	0845	3.7	84	8.0	10	62	.08	12	.18
FEB									
14...	0900	1.3	660	9.0	5.5	60	.08	48	.23
MAR									
13...	0910	2.0	970	6.0	3.5	73	.10	80	.20
APR									
10...	0845	2.9	750	4.0	4.0	59	.08	21	.21
MAY									
15...	0935	--	240	7.0	5.0	74	.10	28	.97
JUN									
12...	0900	--	80	10	14	103	.14	29	1.5
JUL									
17...	0850	--	470	15	15	115	.16	22	1.1
AUG									
14...	1015	--	550	11	23	139	.19	13	--
SEP									
11...	0900	13	1100	20	42	189	.26	13	.85

07339795 BEAR CREEK NEAR HORATIO, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01 42)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983 08...	0935	9.25	--	.190	0	29	--	18	120
DEC 13...	0900	1.10	.200	--	0	10	17	21	30
JAN, 1984 17...	0845	--	.390	.240	0	5	30	--	--
FEB 14...	0900	.060	.080	.010	0	6	21	17	50
MAR 13...	0910	.060	.130	.040	0	--	30	19	60
APR 10...	0845	.840	.220	.110	0	6	16	8	50
MAY 15...	0935	.630	.230	.110	0	9	27	12	70
JUN 12...	0900	4.60	.460	.350	0	6	--	--	--
JUL 17...	0850	4.55	1.16	.910	0	11	26	--	--
AUG 14...	1015	.570	1.70	1.50	0	3	30	6	70
SEP 11...	0900	.950	4.55	3.85	0	15	32	12	100

RED RIVER BASIN

07340000 LITTLE RIVER NEAR HORATIO, AR

LOCATION.--Lat 33°55'10", long 94°23'15", in NE 1/4 sec.10, T.10 S., R.32 W., Sevier County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 41, 0.9 mi downstream from Rolling Fork, 2.0 mi southwest of Horatio, 28.5 mi upstream from Cossatot River, and at mile 72.0.

DRAINAGE AREA.--2,662 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 858: 1932, 1935-36. WSP 1211: 1931, drainage area. WSP 1561: 1932. WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 272.89 ft National Geodetic Vertical Datum of 1929. Prior to Feb. 5, 1935, nonrecording gage, and Feb. 5, 1935, to Sept. 13, 1961, water-stage recorder, at site 50 ft upstream at present datum.

REMARKS.--Records good. Some regulation since Oct. 3, 1968, by Broken Bow Lake (Oklahoma), 31.4 mi upstream, capacity, 1,368,000 acre-ft, and since June 1, 1969, by Pine Creek Lake (Oklahoma), 73.3 mi upstream, capacity, 465,800 acre-ft.

AVERAGE DISCHARGE.--54 years, 3,750 ft^3/s, 2,717,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120,000 ft^3/s Mar. 30, 1945, gage height, 37.70 ft, from rating curve extended above 93,000 ft^3/s; minimum, 1.0 ft^3/s Aug. 18 to Sept. 1, 1934.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915, reached a stage of 38.0 ft, discharge, 124,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,900 ft^3/s May 3, gage height, 28.69 ft; minimum daily, 232 ft^3/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	672	352	1960	621	1160	8960	9740	420	4610	561	806	1130
2	393	324	1860	475	1010	8370	9900	9730	4020	410	1150	525
3	232	293	4100	460	908	7270	9750	25300	1610	503	1100	338
4	1110	307	7130	457	1080	4940	9700	25200	922	606	963	368
5	1280	464	5240	484	857	4420	10600	19700	846	670	506	367
6	867	385	3960	476	681	5520	11100	13100	1050	1080	344	492
7	395	280	3980	1550	1670	5350	10200	5560	964	902	725	1120
8	475	311	4210	1750	2180	4250	9340	7980	717	654	1240	2030
9	361	326	4030	684	1270	4500	9440	10600	757	516	1280	952
10	241	360	3040	1410	767	3300	9080	12600	643	1480	1120	484
11	521	344	4240	2960	809	1470	9310	13600	454	2010	1030	999
12	1020	586	6700	3270	6880	3680	7610	13000	824	1090	552	1350
13	673	435	6440	3690	14000	10300	5580	8160	812	1350	392	1390
14	330	273	5350	2950	12300	10500	7180	6720	989	1570	740	1470
15	431	304	5020	2190	10100	9190	7430	5280	1850	816	873	1070
16	293	319	4390	2050	8790	10500	7160	3270	2020	545	1030	562
17	269	329	3040	2500	7730	11400	7130	2420	707	662	933	565
18	2770	326	1840	2280	7100	10100	7160	2260	355	898	1020	452
19	3020	463	1530	2320	6760	9650	3470	1980	665	923	655	694
20	3640	765	3140	2310	5720	11000	3210	1330	430	1120	417	581
21	1910	750	4410	2180	5170	11800	5260	2320	480	1210	769	852
22	2130	925	1960	1540	5230	11700	5890	4780	740	1180	1130	1110
23	1600	1040	1660	776	4890	10300	2550	5400	1230	1050	1210	907
24	934	2460	3460	1580	4000	12800	4890	5410	526	1540	545	781
25	849	2370	5750	1480	3480	13000	5710	4720	324	2320	343	1180
26	901	1560	6820	1410	3080	8910	5330	4010	463	2350	318	2260
27	841	1120	5340	1590	6230	11600	3940	1680	733	1750	309	3680
28	560	972	2800	1710	10000	18800	3240	1240	791	846	720	2820
29	543	1280	1430	1590	9910	17200	895	1550	584	952	1000	1870
30	395	1830	1510	1470	---	11600	439	3040	701	612	1180	1230
31	331	---	954	1370	---	9500	---	3750	---	747	1300	---
TOTAL	29987	21853	117294	51583	143762	281880	202234	226110	31817	32923	25700	33629
MEAN	967	728	3784	1664	4957	9093	6741	7294	1061	1062	829	1121
MAX	3640	2460	7130	3690	14000	18800	11100	25300	4610	2350	1300	3680
MIN	232	273	954	457	681	1470	439	420	324	410	309	338
AC-FT	59480	43350	232700	102300	285200	559100	401100	448500	63110	65300	50980	66700

CAL YR 1983 TOTAL 1408031 MEAN 3858 MAX 31200 MIN 225 AC-FT 2793000
WTR YR 1984 TOTAL 1198772 MEAN 3275 MAX 25300 MIN 232 AC-FT 2378000

07340000 LITTLE RIVER NEAR HORATIO, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-59, 1969-78, October 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1953 to September 1959.
WATER TEMPERATURES: October 1953 to September 1959.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983 18...	0815	9	9827	9827	3730	6.7	21.0	19.0	20	7.9
NOV 08...	0845	9	9827	9827	268	6.8	16.0	15.0	6.5	8.5
DEC 13...	0840	9	9827	9827	6610	7.3	8.0	10.0	60	9.4
JAN, 1984 17...	0835	9	9827	9827	2870	6.8	2.0	2.0	--	12.6
FEB 14...	0845	9	9827	9827	12800	6.8	10.0	9.0	100	9.5
MAR 14...	0840	9	9827	9827	10800	6.6	11.0	9.0	75	10.3
APR 10...	0830	9	9827	9827	9100	6.8	16.0	13.0	25	9.7
MAY 15...	0840	9	9827	9827	5790	6.6	18.0	19.0	20	8.3
JUN 12...	0840	9	9827	9827	631	6.8	22.0	25.0	7.8	--
JUL 17...	0830	9	9827	9827	490	7.0	24.0	27.0	30	7.7
AUG 14...	1045	9	9827	9827	984	6.8	27.0	26.0	1.6	7.2
SEP 11...	0920	9	9827	9827	1060	7.0	25.0	24.0	--	7.5

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983 18...	0815	2.4	--	4.0	9.0	46	.06	30	.13
NOV 08...	0845	1.3	8	1.0	14	67	.09	9	.22
DEC 13...	0840	1.7	1300	6.0	7.5	60	.08	50	.20
JAN, 1984 17...	0835	1.3	4	32	6.5	45	.06	10	.19
FEB 14...	0845	2.4	1300	8.0	7.0	76	.10	117	.27
MAR 14...	0840	1.3	480	6.0	7.0	84	.11	81	.20
APR 10...	0830	1.1	80	2.0	4.5	44	.06	22	.16
MAY 15...	0840	1.1	200	5.0	4.0	52	.07	22	.19
JUN 12...	0840	1.5	8	8.0	18	98	.13	12	.34
JUL 17...	0830	2.2	8	9.0	20	86	.12	6	.25
AUG 14...	1045	1.8	510	5.0	15	63	.09	12	--
SEP 11...	0920	1.0	68	1.0	11	61	.08	7	.09

07340000 LITTLE RIVER NEAR HORATIO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01 42)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983 18...	0815	--	.100	<.010	0	<1	24	17	--
NOV 08...	0845	.170	--	.040	0	1	--	24	40
DEC 13...	0840	.090	.110	--	<5	4	18	68	50
JAN, 1984 17...	0835	--	.030	.020	0	2	34	--	--
FEB 14...	0845	.120	.150	.050	0	4	29	79	110
MAR 14...	0840	.070	.140	.060	0	--	23	17	60
APR 10...	0830	.040	.110	.010	0	2	18	10	80
MAY 15...	0840	.040	.040	<.010	0	2	16	12	50
JUN 12...	0840	.070	.040	.020	0	2	--	--	--
JUL 17...	0830	.030	.050	.040	0	<1	45	--	--
AUG 14...	1045	.030	.070	.040	0	4	24	8	70
SEP 11...	0920	.100	.070	.060	0	<1	26	22	90

07340300 COSSATOT RIVER NEAR VANDERVOORT, AR
(Hydrologic bench-mark station)

LOCATION.--Lat 34°22'46", long 94°14'08", in SE 1/4 NE 1/4 sec.30, T.4 S., R.30 W., Polk County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 246, 0.3 mi downstream from Brushy Creek, 3.2 mi upstream from Flat Creek, and 7.5 mi east of Vandervoort.

DRAINAGE AREA.--89.6 mi^2.

PERIOD OF RECORD.--June 1967 to current year.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 771.88 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--17 years, 193 ft^3/s, 29.25 in/yr, 139,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft^3/s Dec. 2, 1982, gage height, 19.50 ft, from rating curve extended above 11,000 ft^3/s on basis of step-backwater computations; minimum, 7.2 ft^3/s Aug. 28, 29, 30, 31, 1972, gage height, 1.67 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6, 1961, reached a stage of about 23.0 ft from information by local resident, discharge, about 48,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,500 ft^3/s Mar. 27, at 1445 hours, gage height, 9.77 ft, no other peak above base of 5,000 ft^3/s; minimum, 8.8 ft^3/s Oct. 6, 7, Sept. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	16	98	40	68	247	210	72	42	18	24	12
2	9.7	15	978	35	66	197	192	1090	37	16	22	11
3	9.7	15	2020	40	67	163	196	1910	33	17	42	11
4	9.7	15	727	40	60	367	173	778	30	16	31	11
5	9.5	15	369	45	54	591	156	750	27	19	25	9.9
6	9.3	15	239	46	49	345	141	551	27	20	22	10
7	9.5	15	176	42	48	250	131	428	26	17	21	9.8
8	9.9	15	143	40	45	196	220	464	27	20	84	9.5
9	9.9	18	119	46	54	159	348	324	25	18	113	319
10	9.8	18	610	438	56	147	275	228	23	15	229	153
11	11	18	1050	313	77	129	230	171	21	14	121	67
12	22	16	418	223	2010	1160	191	135	20	27	68	40
13	16	16	272	169	632	688	161	110	19	20	46	28
14	12	15	200	133	351	386	139	92	17	17	34	22
15	11	15	153	113	255	280	122	80	16	17	27	19
16	11	15	124	101	218	227	109	69	16	16	23	17
17	124	15	102	91	182	516	98	61	15	183	20	16
18	95	15	89	82	179	505	88	55	14	92	19	15
19	41	472	80	75	170	422	87	57	14	44	17	14
20	27	290	75	80	155	349	80	442	32	29	16	14
21	206	127	77	79	143	269	756	291	22	24	16	15
22	101	87	74	78	129	211	426	183	20	21	15	386
23	58	1130	70	91	115	342	267	145	20	21	51	396
24	38	312	65	136	103	1350	199	111	24	56	35	137
25	29	170	60	136	90	549	158	88	19	34	21	172
26	24	119	55	124	584	354	131	72	20	32	17	879
27	21	217	55	113	1110	2420	114	64	24	29	15	265
28	20	271	50	101	550	1700	95	101	22	97	14	160
29	18	175	50	92	337	663	87	79	20	55	14	111
30	18	128	45	83	---	392	82	62	19	35	13	83
31	17	---	45	73	---	274	---	50	---	27	13	---
TOTAL	1016.7	3780	8688	3298	7957	15848	5662	9113	691	1066	1228	3412.2
MEAN	32.8	126	280	106	274	511	189	294	23.0	34.4	39.6	114
MAX	206	1130	2020	438	2010	2420	756	1910	42	183	229	879
MIN	9.3	15	45	35	45	129	80	50	14	14	13	9.5
CFSM	.37	1.41	3.13	1.18	3.06	5.70	2.11	3.28	.26	.38	.44	1.27
IN.	.42	1.57	3.61	1.37	3.30	6.58	2.35	3.78	.29	.44	.51	1.42
AC-FT	2020	7500	17230	6540	15780	31430	11230	18080	1370	2110	2440	6770

CAL YR 1983 TOTAL 63259.7 MEAN 173 MAX 3300 MIN 9.3 CFSM 1.93 IN. 26.26 AC-FT 125500
WTR YR 1984 TOTAL 61759.9 MEAN 169 MAX 2420 MIN 9.3 CFSM 1.89 IN. 25.64 AC-FT 122500

BEST COPY AVAILABLE

07340400 COSSATOT RIVER NEAR UMPIRE, AR

LOCATION.--Lat 34°18'00", long 94°11'00", in SE 1/4 SW 1/4, sec.23, T.5 S., R.30 W., Howard County, Hydrologic Unit 11140109, at bridge on State Highway 4, 8.5 mi west of Umpire, Ark., and 2.5 mi south of Baker Springs.

DRAINAGE AREA.--385 mi^2.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
NOV, 1983 08...	1035	9	9827	9827	7.2	16.0	14.0	2.5	9.4	1.3
DEC 13...	1000	9	9827	9827	6.8	9.0	9.0	6.0	11.1	.9
JAN, 1984 17...	0950	9	9827	9827	6.7	7.0	2.0	--	13.6	1.3
FEB 14...	1000	9	9827	9827	6.7	12.0	8.0	9.0	11.7	.4
MAR 13...	1000	9	9827	9827	6.4	12.0	10.0	15	11.3	.2
APR 10...	1000	9	9827	9827	6.5	18.0	14.0	5.2	10.1	.1
MAY 15...	1040	9	9827	9827	7.1	21.0	21.0	8.5	8.7	1.5
JUN 12...	1000	9	9827	9827	7.1	23.0	25.0	2.2	--	.8
JUL 17...	1000	9	9827	9827	7.2	25.0	26.0	40	8.4	2.2
AUG 14...	0900	9	9827	9827	7.3	22.0	25.0	3.6	7.6	1.5
SEP 11...	0835	9	9827	9827	7.1	18.0	22.0	--	7.5	.7

DATE	TIME	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
NOV, 1983 08...	1035	30	3.0	4.5	52	.07	18	.03	.070	--
DEC 13...	1000	8	1.0	4.0	28	.04	8	.05	.010	.010
JAN, 1984 17...	0950	<4	5.0	4.0	25	.03	4	.03	--	.010
FEB 14...	1000	10	6.0	4.0	23	.03	8	.08	<.010	.010
MAR 13...	1000	30	11	2.0	33	.04	18	.07	<.010	.060
APR 10...	1000	<10	3.0	2.5	33	.04	5	.02	.020	.050
MAY 15...	1040	40	7.0	2.0	39	.05	26	.01	<.010	.020
JUN 12...	1000	<10	6.0	5.0	44	.06	3	.03	.060	.040
JUL 17...	1000	120	6.0	3.0	44	.06	1	.08	.050	.020
AUG 14...	0900	16	3.0	4.5	41	.06	3	--	<.010	.020
SEP 11...	0835	190	2.0	3.5	42	.06	8	.05	<.010	.040

07340400 COSSATOT RIVER NEAR UMPIRE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV, 1983 08...	1035	.070	<5	0	1	--	84	<5	30
DEC 13...	1000	--	--	0	1	<10	200	--	0
JAN, 1984 17...	0950	.010	--	0	1	15	--	--	--
FEB 14...	1000	.020	<5	0	2	<10	110	<5	10
MAR 13...	1000	<.010	--	0	--	<10	49	--	0
APR 10...	1000	<.010	<5	0	2	27	7	<5	80
MAY 15...	1040	<.010	--	0	<1	<10	41	--	0
JUN 12...	1000	.010	--	0	<1	--	--	--	--
JUL 17...	1000	.020	--	0	2	19	--	--	--
AUG 14...	0900	.020	<5	0	12	19	7	<5	50
SEP 11...	0835	.010	--	0	<1	14	7	--	40

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
DEC, 1983 13...	1000	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984 17...	0950	.000	.000	.000	.000	.000	.00	.00	.0
APR 10...	1000	.000	.000	.000	.000	.000	.00	.00	.0
AUG 14...	0900	.000	.000	.000	.000	.000	.00	<.01	.0

07340450 GILLHAM LAKE NEAR GILLHAM, AR

LOCATION.--Lat 34°12'37", long 94°13'44", in SE 1/4 SE 1/4 sec.30, T.6 S., R.30 W., Howard County, Hydrologic Unit 11140109, at Gillham Dam on Cossatot River, 6.0 mi northeast of Gillham, and at mile 49.0.

DRAINAGE AREA.--273 mi^2.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
OCT								
11...	1230	9	80513	80513	.00	29.0	48	9.1
11...	1232	9	80513	80513	10.0	29.0	48	8.9
11...	1234	9	80513	80513	20.0	29.0	48	8.9
11...	1235	9	80513	80513	29.0	29.0	50	8.7

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
OCT							
11...	1230	23.0	33.6	.90	7.0	83	751
11...	1232	22.0	--	--	6.2	--	--
11...	1234	22.0	--	--	6.2	--	--
11...	1235	21.5	--	--	5.0	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
NOV								
02...	1430	9	80513	80513	.00	35.0	50	7.0
02...	1432	9	80513	80513	10.0	35.0	50	6.9
02...	1433	9	80513	80513	20.0	35.0	52	6.7
02...	1434	9	80513	80513	30.0	35.0	52	6.6
02...	1435	9	80513	80513	35.0	35.0	56	6.5

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
NOV							
02...	1430	19.0	60.0	1.50	8.8	96	757
02...	1432	18.0	--	--	6.1	--	--
02...	1433	18.0	--	--	4.2	--	--
02...	1434	18.0	--	--	3.2	--	--
02...	1435	17.5	--	--	1.1	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC											
12...	1505	9	80513	80513	.00	71.0	41	7.1	10.0	11.0	55.2
12...	1506	9	80513	80010	3.00	71.0	--	--	--	--	--
12...	1508	9	80513	80513	10.0	71.0	41	7.1	--	11.0	--
12...	1510	9	80513	80010	14.0	71.0	41	6.8	--	11.0	--
12...	1512	9	80513	80513	20.0	71.0	41	7.0	--	11.0	--
12...	1514	9	80513	80513	30.0	71.0	41	7.0	--	10.5	--
12...	1516	9	80513	80513	40.0	71.0	40	7.0	--	10.5	--
12...	1518	9	80513	80513	50.0	71.0	37	7.0	--	10.5	--
12...	1520	9	80513	80010	57.0	71.0	36	7.0	--	9.5	--
12...	1522	9	80513	80513	60.0	71.0	36	7.0	--	9.5	--
12...	1524	9	80513	80513	70.0	71.0	36	7.0	--	9.5	--
12...	1525	9	80513	80513	71.0	71.0	36	7.0	--	9.5	--

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
12...	1505	1.40	8.8	81	750	--	--	--	3	--	--
12...	1506	--	--	--	750	--	--	--	--	--	--
12...	1508	--	8.7	--	--	--	--	--	--	--	--
12...	1510	--	8.7	80	750	8	4.4	.6	--	10	0
12...	1512	--	8.6	--	--	--	--	--	--	--	--
12...	1514	--	8.5	--	--	--	--	--	--	--	--
12...	1516	--	8.4	--	--	--	--	--	--	--	--
12...	1518	--	7.9	--	--	--	--	--	--	--	--
12...	1520	--	7.1	63	750	10	7.9	.8	--	8	0
12...	1522	--	7.1	--	--	--	--	--	--	--	--
12...	1524	--	6.8	--	--	--	--	--	--	--	--
12...	1525	--	6.8	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
12...	1510	0	2.3	6.0	1.0	.9	12	3.0	4.1	.200
12...	1520	0	1.8	4.0	.80	.8	9	3.0	4.1	.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
DEC										
12...	1510	.280	.22	.50	.70	.030	.010	170	1	10
12...	1520	.180	.22	.40	.50	.040	<.010	290	1	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
12...	1506	--	--	--	--	--	--	--	3.00	.100
12...	1510	1	350	3	20	<.1	<1	10	--	--
12...	1520	1	570	4	70	<.1	<1	50	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JAN								
09...	1300	9	80513	80513	.00	56.0	34	7.1
09...	1302	9	80513	80513	10.0	56.0	34	7.0
09...	1305	9	80513	80513	20.0	56.0	34	7.0
09...	1307	9	80513	80513	30.0	56.0	34	7.0
09...	1310	9	80513	80513	40.0	56.0	34	6.9
09...	1313	9	80513	80513	50.0	56.0	34	6.9
09...	1315	9	80513	80513	56.0	56.0	34	6.9

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JAN							
09...	1300	6.0	48.0	1.20	9.0	73	753
09...	1302	6.0	--	--	9.0	--	--
09...	1305	6.0	--	--	9.0	--	--
09...	1307	6.0	--	--	9.1	--	--
09...	1310	6.0	--	--	9.1	--	--
09...	1313	6.0	--	--	9.1	--	--
09...	1315	6.0	--	--	9.1	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
FEB								
07...	1330	9	80513	80513	.00	47.0	50	6.7
07...	1332	9	80513	80513	10.0	47.0	50	6.7
07...	1334	9	80513	80513	20.0	47.0	50	6.7
07...	1336	9	80513	80513	30.0	47.0	50	6.7
07...	1338	9	80513	80513	40.0	47.0	50	6.6
07...	1340	9	80513	80513	47.0	47.0	50	6.6

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
FEB							
07...	1330	6.0	50.4	1.30	11.6	93	761
07...	1332	5.0	--	--	12.6	--	--
07...	1334	5.0	--	--	12.6	--	--
07...	1336	5.0	--	--	12.2	--	--
07...	1338	5.0	--	--	12.2	--	--
07...	1340	4.5	--	--	12.0	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
MAR								
20...	1130	9	80513	80513	.00	50.0	28	6.6
20...	1132	9	80513	80513	10.0	50.0	28	6.6
20...	1134	9	80513	80513	20.0	50.0	28	6.6
20...	1136	9	80513	80513	30.0	50.0	28	6.5
20...	1138	9	80513	80513	40.0	50.0	28	6.3
20...	1140	9	80513	80513	50.0	50.0	28	6.3

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
MAR							
20...	1130	12.0	40.8	1.00	10.4	98	752
20...	1132	12.0	--	--	9.8	--	--
20...	1134	12.0	--	--	9.8	--	--
20...	1136	11.0	--	--	9.4	--	--
20...	1138	10.0	--	--	7.0	--	--
20...	1140	9.0	--	--	6.8	--	--

BEST COPY AVAILABLE

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
APR								
10...	0930	9	80513	80513	.00	47.0	30	6.9
10...	0932	9	80513	80513	8.00	47.0	30	6.9
10...	0934	9	80513	80513	10.0	47.0	30	6.8
10...	0936	9	80513	80513	15.0	47.0	30	9.0
10...	0938	9	80513	80513	20.0	47.0	30	6.6
10...	0940	9	80513	80513	30.0	47.0	30	6.5
10...	0942	9	80513	80513	40.0	47.0	30	6.5
10...	0945	9	80513	80513	47.0	47.0	30	6.4

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
10...	0930	15.0	43.2	1.10	9.4	94	755
10...	0932	14.0	--	--	9.4	--	--
10...	0934	14.0	--	--	9.3	--	--
10...	0936	13.0	--	--	6.7	--	--
10...	0938	12.0	--	--	8.9	--	--
10...	0940	11.5	--	--	8.8	--	--
10...	0942	11.5	--	--	8.7	--	--
10...	0945	11.0	--	--	8.5	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
09...	0900	9	80513	80513	.00	58.0	28	7.4	16.0	19.5	67.2
09...	0901	9	80513	80010	3.00	58.0	--	--	--	--	--
09...	0903	9	80513	80513	10.0	58.0	28	7.4	--	19.5	--
09...	0905	9	80513	80010	11.5	58.0	28	7.4	--	19.5	--
09...	0907	9	80513	80513	15.0	58.0	28	7.2	--	18.5	--
09...	0914	9	80513	80513	30.0	58.0	26	7.0	--	16.5	--
09...	0916	9	80513	80513	40.0	58.0	26	6.9	--	16.0	--
09...	0920	9	80513	80010	46.5	58.0	26	6.9	--	15.5	--
09...	0922	9	80513	80513	50.0	58.0	26	6.9	--	15.0	--
09...	0925	9	80513	80513	58.0	58.0	28	7.0	--	15.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
MAY											
09...	0900	1.70	8.0	87	764	--	--	--	0	--	--
09...	0901	--	--	--	764	--	--	--	--	--	--
09...	0903	--	8.0	--	--	--	--	--	--	--	--
09...	0905	--	8.0	87	764	10	16	2.1	--	8	0
09...	0907	--	7.6	--	--	--	--	--	--	--	--
09...	0914	--	7.4	--	--	--	--	--	--	--	--
09...	0916	--	7.5	--	--	--	--	--	--	--	--
09...	0920	--	7.5	75	764	25	14	3.8	--	7	0
09...	0922	--	7.5	--	--	--	--	--	--	--	--
09...	0925	--	7.2	--	--	--	--	--	--	--	--

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY										
09...	0905	0	1.8	5.0	.80	.7	8	3.4	1.5	<.100
09...	0920	0	1.6	4.0	.80	.7	8	3.5	1.5	.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
MAY										
09...	0905	.050	.35	.40	--	.030	<.010	30	<1	20
09...	0920	.040	.26	.30	.40	.020	<.010	290	<1	20

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
09...	0901	--	--	--	--	--	--	--	<.100	<.100
09...	0905	1	140	<1	<10	<.1	2	10	--	--
09...	0920	3	430	1	10	<.1	3	20	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JUN								
19...	1030	9	80513	80513	.00	47.0	30	7.0
19...	1032	9	80513	80513	10.0	47.0	32	7.0
19...	1034	9	80513	80513	11.0	47.0	32	6.7
19...	1036	9	80513	80513	12.0	47.0	32	6.7
19...	1038	9	80513	80513	15.0	47.0	32	6.4
19...	1040	9	80513	80513	16.0	47.0	34	6.0
19...	1042	9	80513	80513	18.0	47.0	34	6.0
19...	1044	9	80513	80513	20.0	47.0	36	5.9
19...	1046	9	80513	80513	22.0	47.0	36	5.9
19...	1048	9	80513	80513	25.0	47.0	36	5.9
19...	1050	9	80513	80513	30.0	47.0	36	5.8
19...	1052	9	80513	80513	35.0	47.0	36	5.8
19...	1054	9	80513	80513	40.0	47.0	38	5.8
19...	1055	9	80513	80513	47.0	47.0	44	5.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
19...	1030	29.5	107	2.70	7.2	95	760
19...	1032	29.0	--	--	7.2	--	--
19...	1034	28.0	--	--	7.5	--	--
19...	1036	27.0	--	--	7.1	--	--
19...	1038	26.0	--	--	7.7	--	--
19...	1040	25.0	--	--	3.2	--	--
19...	1042	24.0	--	--	2.8	--	--
19...	1044	23.0	--	--	2.6	--	--
19...	1046	22.0	--	--	2.4	--	--
19...	1048	21.0	--	--	2.6	--	--
19...	1050	20.0	--	--	2.8	--	--
19...	1052	19.0	--	--	2.8	--	--
19...	1054	18.5	--	--	3.0	--	--
19...	1055	17.5	--	--	2.0	--	--

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
24...	1130	9	80513	80513	.00	45.0	30	6.9	28.5	86.4
24...	1132	9	80513	80010	3.00	45.0	30	6.9	28.5	--
24...	1134	9	80513	80513	10.0	45.0	30	6.7	28.0	--
24...	1136	9	80513	80513	17.0	45.0	30	6.2	27.0	--
24...	1138	9	80513	80513	18.0	45.0	30	6.0	26.0	--
24...	1140	9	80513	80513	19.0	45.0	30	5.9	25.0	--
24...	1142	9	80513	80513	20.0	45.0	30	5.9	24.0	--
24...	1144	9	80513	80513	21.0	45.0	30	5.9	23.0	--
24...	1146	9	80513	80513	22.0	45.0	30	5.9	22.0	--
24...	1148	9	80513	80513	24.0	45.0	30	5.9	21.0	--
24...	1150	9	80513	80513	26.0	45.0	30	5.9	20.0	--
24...	1152	9	80513	80513	30.0	45.0	30	5.9	19.0	--
24...	1154	9	80513	80513	35.0	45.0	32	5.9	18.0	--
24...	1156	9	80513	80513	40.0	45.0	34	5.9	18.0	--
24...	1200	9	80513	80513	45.0	45.0	38	6.0	17.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
24...	1130	2.20	7.0	90	764	--	--	--	--	--
24...	1132	--	7.0	90	764	<.100	<.010	<.010	1.30	<.100
24...	1134	--	6.9	--	--	--	--	--	--	--
24...	1136	--	3.7	--	--	--	--	--	--	--
24...	1138	--	1.0	--	--	--	--	--	--	--
24...	1140	--	.5	--	--	--	--	--	--	--
24...	1142	--	.3	--	--	--	--	--	--	--
24...	1144	--	.2	--	--	--	--	--	--	--
24...	1146	--	.1	--	--	--	--	--	--	--
24...	1148	--	.1	--	--	--	--	--	--	--
24...	1150	--	.4	--	--	--	--	--	--	--
24...	1152	--	.2	--	--	--	--	--	--	--
24...	1154	--	.1	--	--	--	--	--	--	--
24...	1156	--	.1	--	--	--	--	--	--	--
24...	1200	--	.0	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
AUG										
29...	0800	9	80513	80513	.00	56.0	32	7.0	24.0	26.0
29...	0801	9	80513	80010	3.00	56.0	30	7.0	--	26.0
29...	0803	9	80513	80513	10.0	56.0	30	7.0	--	26.0
29...	0805	9	80513	80010	11.0	56.0	30	7.0	--	26.0
29...	0806	9	80513	80513	17.0	56.0	34	6.2	--	25.0
29...	0808	9	80513	80513	20.0	56.0	34	6.1	--	24.0
29...	0809	9	80513	80513	21.0	56.0	38	6.0	--	23.0
29...	0810	9	80513	80513	22.0	56.0	36	6.0	--	22.0
29...	0812	9	80513	80513	23.0	56.0	32	6.0	--	21.0
29...	0814	9	80513	80513	25.0	56.0	30	5.9	--	20.0
29...	0815	9	80513	80513	27.0	56.0	30	5.9	--	19.0
29...	0816	9	80513	80513	30.0	56.0	32	5.9	--	18.0
29...	0818	9	80513	80513	35.0	56.0	36	6.0	--	17.0
29...	0819	9	80513	80513	40.0	56.0	38	6.0	--	16.0
29...	0820	9	80513	80010	45.0	56.0	40	6.1	--	15.0
29...	0822	9	80513	80513	50.0	56.0	48	6.2	--	14.5
29...	0825	9	80513	80513	56.0	56.0	50	6.3	--	14.0

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
AUG										
29...	0800	98.4	2.50	7.0	87	759	--	--	--	0
29...	0801	--	--	7.0	87	759	--	--	--	--
29...	0803	--	--	6.8	--	--	--	--	--	--
29...	0805	--	--	6.8	84	760	<1	1.2	1.0	--
29...	0806	--	--	1.5	--	--	--	--	--	--
29...	0808	--	--	.6	--	--	--	--	--	--
29...	0809	--	--	.3	--	--	--	--	--	--
29...	0810	--	--	.2	--	--	--	--	--	--
29...	0812	--	--	.2	--	--	--	--	--	--
29...	0814	--	--	.2	--	--	--	--	--	--
29...	0815	--	--	.2	--	--	--	--	--	--
29...	0816	--	--	.2	--	--	--	--	--	--
29...	0818	--	--	.2	--	--	--	--	--	--
29...	0819	--	--	.1	--	--	--	--	--	--
29...	0820	--	--	.1	0	760	2	6.0	.6	--
29...	0822	--	--	.1	--	--	--	--	--	--
29...	0825	--	--	.1	--	--	--	--	--	--

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
AUG										
29...	0805	16	2.9	1.9	<.100	<.010	<.010	90	<1	<10
29...	0820	12	2.8	1.6	<.100	.010	<.100	110	2	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG										
29...	0801	--	--	--	--	--	--	--	<.100	<.100
29...	0805	1	130	2	20	<.1	2	10	--	--
29...	0820	1	2300	1	1500	<.1	1	<10	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
25...	1030	9	80513	80513	.00	67.0	30	7.0	25.0	74.4
25...	1031	9	80513	80010	3.00	67.0	30	7.0	25.0	--
25...	1032	9	80513	80513	10.0	67.0	30	6.9	25.0	--
25...	1034	9	80513	80513	20.0	67.0	34	6.3	24.5	--
25...	1036	9	80513	80513	23.0	67.0	38	6.0	23.5	--
25...	1038	9	80513	80513	27.0	67.0	40	5.9	22.5	--
25...	1040	9	80513	80513	30.0	67.0	36	5.9	21.5	--
25...	1042	9	80513	80513	32.0	67.0	38	5.9	20.5	--
25...	1044	9	80513	80513	33.0	67.0	38	6.0	19.5	--
25...	1046	9	80513	80513	40.0	67.0	44	6.1	18.5	--
25...	1047	9	80513	80513	45.0	67.0	46	6.1	17.5	--
25...	1048	9	80513	80513	50.0	67.0	50	6.2	16.5	--
25...	1049	9	80513	80513	60.0	67.0	68	6.4	15.5	--
25...	1050	9	80513	80513	67.0	67.0	82	6.5	14.5	--

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP									
25...	1030	1.90	7.9	96	762	--	--	--	--
25...	1031	--	7.9	96	762	.010	<.010	3.60	<.100
25...	1032	--	7.7	--	--	--	--	--	--
25...	1034	--	3.6	--	--	--	--	--	--
25...	1036	--	.7	--	--	--	--	--	--
25...	1038	--	.5	--	--	--	--	--	--
25...	1040	--	.1	--	--	--	--	--	--
25...	1042	--	.1	--	--	--	--	--	--
25...	1044	--	.1	--	--	--	--	--	--
25...	1046	--	.1	--	--	--	--	--	--
25...	1047	--	.1	--	--	--	--	--	--
25...	1048	--	.1	--	--	--	--	--	--
25...	1049	--	.1	--	--	--	--	--	--
25...	1050	--	.1	--	--	--	--	--	--

07340452 COSSATOT RIVER BELOW GILLHAM DAM NEAR GILLHAM, AR

LOCATION.--Lat 34°12'32", long 94°13'40", in SE 1/4 SE 1/4 sec.30, T.6 S., R.30 W., Howard County, Hydrologic Unit 11140109 at Gillham Dam, 6.0 mi northeast of Gillham, and at mile 49.0.

DRAINAGE AREA.--273 mi^2.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
11...	1200	9	80513	80513	.00	48	9.5	23.5	9.0
NOV									
02...	1400	9	80513	80513	.00	50	6.8	19.0	9.4

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC										
12...	1425	9	80513	80010	.00	40	6.8	10.5	11.0	10.7

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC										
12...	1425	98	752	25	10	.7	8	9	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC									
12...	1425	2.0	5.0	.90	.8	10	3.0	4.6	.700

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
DEC									
12...	1425	.040	.36	.40	1.1	.030	.030	370	1

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC									
12...	1425	<10	1	560	5	30	<.1	<1	10

07340452 COSSATOT RIVER BELOW GILLHAM DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN									
09...	1230	9	80513	80513	67	34	7.2	7.0	9.6
FEB									
07...	1230	9	80513	80513	164	48	6.8	5.0	12.8
MAR									
20...	1100	9	80513	80513	1960	28	6.5	10.5	11.2
APR									
10...	0900	9	80513	80513	1160	28	6.7	12.0	10.6

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY										
09...	0800	9	80513	80010	2310	28	6.9	15.0	15.5	10.0

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
MAY										
09...	0800	100	764	20	11	1.6	44	7	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY									
09...	0800	1.6	4.0	.70	.7	8	3.4	1.5	.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY									
09...	0800	.050	.15	.20	.30	.010	<.010	230	<1

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY									
09...	0800	20	1	370	<1	<10	<.1	4	10

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN									
19...	1000	9	80513	80513	54	36	6.6	19.0	6.8
JUL									
24...	1030	9	80513	80513	54	28	7.0	27.5	7.6

BEST COPY AVAILABLE

07340452 COSSATOT RIVER BELOW GILLHAM DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)
AUG									
29...	0700	9	80513	80010	54	32	6.7	24.0	24.0

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA- LINITY FIELD (MG/L AS CACO3) (00410)
AUG									
29...	0700	6.4	76	759	1	1.6	1.2	61	12

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
AUG									
29...	0700	2.8	1.9	<.100	<.010	<.010	90	1	<10

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG								
29...	0700	1	370	1	170	<.1	1	10

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP									
25...	1000	9	80513	80513	308	42	6.5	20.5	8.2

07340945 SALINE RIVER NEAR BURG, AR

LOCATION.--Lat 34°12'39", long 94°03'02", in NW 1/4 SE 1/4 sec.25, T.6 S., R.29 W., Howard County, Hydrologic Unit 1114010 2.6 mi southeast of Burg, Ark., and 8.0 mi north of Dierks, Ark., and 4.0 mi upstream from entry to Dierks Lake.

DRAINAGE AREA.--47.4 mi^2

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
NOV, 1983										
08...	1100	9	9827	9827	6.7	17.0	14.0	4.0	8.6	1.2
DEC										
13...	1630	9	9827	9827	6.8	9.0	9.0	15	10.9	.9
JAN, 1984										
17...	1015	9	9827	9827	6.7	7.0	2.0	--	13.6	1.1
FEB										
14...	1010	9	9827	9827	6.5	13.0	8.0	20	11.4	.6
MAR										
13...	1030	9	9827	9827	6.5	12.0	9.0	25	11.1	.3
APR										
10...	1030	9	9827	9827	6.7	18.0	13.0	20	10.0	1.2
MAY										
15...	1105	9	9827	9827	6.9	21.0	20.0	7.5	8.7	1.3
JUN										
12...	1030	9	9827	9827	6.8	24.0	24.0	5.2	--	1.5
JUL										
17...	1040	9	9827	9827	7.0	25.0	26.0	7.5	6.6	1.4
AUG										
14...	0815	9	9827	9827	6.9	18.0	24.0	20	6.7	1.4
SEP										
11...	0800	9	9827	9827	7.0	18.0	22.0	--	7.2	1.6

DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
NOV, 1983										
08...	1100	32	1.0	5.0	90	.12	4	.03	.020	--
DEC										
13...	1630	44	1.0	4.0	44	.06	9	.66	.040	.020
JAN, 1984										
17...	1015	20	3.0	5.0	35	.05	7	.45	--	.010
FEB										
14...	1010	150	5.0	4.0	41	.06	6	.72	.010	.020
MAR										
13...	1030	210	3.0	2.5	48	.07	14	.59	<.010	.070
APR										
10...	1030	30	1.0	2.0	40	.05	7	.30	.010	.060
MAY										
15...	1105	110	3.0	2.0	42	.06	14	.27	<.010	.030
JUN										
12...	1030	32	5.0	5.5	43	.06	40	.11	.040	.030
JUL										
17...	1040	88	5.0	3.5	44	.06	6	.12	.030	.040
AUG										
14...	0815	50	3.0	4.0	50	.07	10	--	.050	.040
SEP										
11...	0800	150	1.0	3.5	53	.07	11	.41	.050	.090

07340945 SALINE RIVER NEAR BURG, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
08...	1100	.060	<5	0	<1	--	12	<5	20
DEC									
13...	1630	--	--	0	1	19	36	--	30
JAN, 1984									
17...	1015	.010	--	0	2	14	--	--	--
FEB									
14...	1010	.010	<5	0	1	17	7	<5	40
MAR									
13...	1030	.010	--	0	--	20	11	--	20
APR									
10...	1030	.010	<5	0	2	<10	5	<5	40
MAY									
15...	1105	<.010	--	0	<1	28	18	--	70
JUN									
12...	1030	.010	--	0	<1	--	--	--	--
JUL									
17...	1040	.020	--	0	<1	11	--	--	--
AUG									
14...	0815	.020	<5	0	1	18	6	<5	40
SEP									
11...	0800	.050	--	0	2	10	6	--	20

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
DEC, 1983									
13...	1630	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984									
17...	1015	.000	.000	.000	.000	.000	.00	.00	.0
APR									
10...	1030	.000	.000	.000	.000	.000	.00	.00	.0
AUG									
14...	0815	.000	.000	.000	.000	.000	.00	<.01	.0

07340990 DIERKS LAKE NEAR DIERKS, AR

LOCATION.--Lat 34°08'39", long 94°05'53", in NE 1/4 NW 1/4 sec.21, T.7 S., R.29 W., Howard County, Hydrologic Unit 11140109, at Dierks Dam on Saline River. 3.1 mi upstream from Bluff Creek, 5.0 mi northwest of Dierks, and at mile 56.6.

DRAINAGE AREA.--113 mi^2.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
OCT								
11...	1030	9	80513	80513	.00	61.0	40	8.7
11...	1032	9	80513	80513	10.0	61.0	40	8.6
11...	1034	9	80513	80513	20.0	61.0	40	8.5
11...	1036	9	80513	80513	30.0	61.0	40	8.4
11...	1038	9	80513	80513	35.0	61.0	58	8.3
11...	1040	9	80513	80513	40.0	61.0	64	8.3
11...	1042	9	80513	80513	50.0	61.0	82	8.3
11...	1044	9	80513	80513	60.0	61.0	100	8.3
11...	1045	9	80513	80513	61.0	61.0	104	8.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
11...	1030	21.5	48.0	1.20	4.8	55	750
11...	1032	21.5	--	--	4.5	--	--
11...	1034	21.5	--	--	4.8	--	--
11...	1036	21.5	--	--	4.8	--	--
11...	1038	20.5	--	--	.2	--	--
11...	1040	20.0	--	--	.1	--	--
11...	1042	19.0	--	--	.1	--	--
11...	1044	18.5	--	--	.1	--	--
11...	1045	18.5	--	--	.1	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV								
03...	0945	9	80513	80513	.00	64.0	46	6.5
03...	0946	9	80513	80513	10.0	64.0	46	6.4
03...	0948	9	80513	80513	20.0	64.0	46	6.3
03...	0950	9	80513	80513	30.0	64.0	48	6.2
03...	0952	9	80513	80513	40.0	64.0	48	6.2
03...	0953	9	80513	80513	50.0	64.0	56	6.2
03...	0954	9	80513	80513	60.0	64.0	50	6.2
03...	0955	9	80513	80513	64.0	64.0	52	6.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
03...	0945	19.0	55.2	1.40	4.4	48	755
03...	0946	18.5	--	--	4.0	--	--
03...	0948	18.0	--	--	.5	--	--
03...	0950	18.0	--	--	.1	--	--
03...	0952	18.0	--	--	1.0	--	--
03...	0953	17.5	--	--	.1	--	--
03...	0954	17.5	--	--	.1	--	--
03...	0955	17.5	--	--	.1	--	--

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
12...	1200	9	80513	80513	.00	66.0	43	6.7	13.5	10.5
12...	1201	9	80513	80010	3.00	66.0	--	--	--	--
12...	1202	9	80513	80513	10.0	66.0	43	6.8	--	11.0
12...	1205	9	80513	80010	13.0	66.0	43	6.9	--	11.0
12...	1206	9	80513	80513	20.0	66.0	43	6.9	--	11.0
12...	1208	9	80513	80513	30.0	66.0	43	6.9	--	11.0
12...	1210	9	80513	80513	40.0	66.0	43	6.9	--	10.5
12...	1212	9	80513	80513	50.0	66.0	42	6.9	--	9.5
12...	1215	9	80513	80010	53.0	66.0	42	6.9	--	9.5
12...	1218	9	80513	80513	60.0	66.0	42	6.9	--	9.0
12...	1220	9	80513	80513	66.0	66.0	43	6.9	--	9.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
12...	1200	50.4	1.30	8.8	80	752	--	--	--	6
12...	1201	--	--	--	--	752	--	--	--	--
12...	1202	--	--	8.6	--	--	--	--	--	--
12...	1205	--	--	8.8	81	752	8	36	1.0	6
12...	1206	--	--	8.6	--	--	--	--	--	--
12...	1208	--	--	8.6	--	--	--	--	--	--
12...	1210	--	--	8.6	--	--	--	--	--	--
12...	1212	--	--	7.8	--	--	--	--	--	--
12...	1215	--	--	7.8	69	752	25	11	1.1	--
12...	1218	--	--	8.0	--	--	--	--	--	--
12...	1220	--	--	8.1	--	--	--	--	--	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC										
12...	1205	10	0	0	2.2	6.0	1.1	1.4	12	3.0
12...	1215	10	0	0	2.1	5.0	1.1	1.4	11	3.0

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
DEC										
12...	1205	4.3	.400	.160	<.10	.030	.020	130	1	10
12...	1215	4.1	.200	.190	<.10	.030	.020	290	1	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
12...	1201	--	--	--	--	--	--	--	6.10	.800
12...	1205	1	360	4	40	<.1	<1	10	--	--
12...	1215	--	590	--	50	<.1	--	10	--	--

BEST COPY AVAILABLE

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
JAN								
09...	1100	9	80513	80513	.00	65.0	38	7.5
09...	1103	9	80513	80513	10.0	65.0	38	7.3
09...	1105	9	80513	80513	20.0	65.0	38	7.3
09...	1108	9	80513	80513	30.0	65.0	38	7.2
09...	1110	9	80513	80513	40.0	65.0	38	7.2
09...	1113	9	80513	80513	50.0	65.0	38	7.1
09...	1117	9	80513	80513	60.0	65.0	38	7.1
09...	1120	9	80513	80513	65.0	65.0	38	7.1

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JAN							
09...	1100	6.5	66.0	1.70	11.0	91	753
09...	1103	6.0	--	--	10.8	--	--
09...	1105	6.0	--	--	10.8	--	--
09...	1108	5.5	--	--	10.6	--	--
09...	1110	5.5	--	--	10.6	--	--
09...	1113	5.0	--	--	10.6	--	--
09...	1117	5.0	--	--	10.6	--	--
09...	1120	5.0	--	--	10.2	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
FEB								
07...	1415	9	80513	80513	.00	66.0	54	7.0
07...	1416	9	80513	80513	10.0	66.0	54	7.0
07...	1418	9	80513	80513	20.0	66.0	54	7.0
07...	1420	9	80513	80513	30.0	66.0	54	7.0
07...	1422	9	80513	80513	40.0	66.0	54	6.9
07...	1423	9	80513	80513	50.0	66.0	54	6.9
07...	1424	9	80513	80513	60.0	66.0	54	6.8
07...	1425	9	80513	80513	66.0	66.0	54	6.8

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
FEB							
07...	1415	5.5	43.2	1.10	10.8	86	758
07...	1416	5.0	--	--	10.6	--	--
07...	1418	5.0	--	--	10.6	--	--
07...	1420	5.0	--	--	10.6	--	--
07...	1422	5.0	--	--	10.4	--	--
07...	1423	5.0	--	--	10.4	--	--
07...	1424	5.0	--	--	10.4	--	--
07...	1425	5.0	--	--	10.2	--	--

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR								
20...	1500	9	80513	80513	.00	76.0	40	6.9
20...	1502	9	80513	80513	10.0	76.0	40	6.8
20...	1504	9	80513	80513	20.0	76.0	40	6.8
20...	1506	9	80513	80513	30.0	76.0	40	6.8
20...	1508	9	80513	80513	40.0	76.0	40	6.8
20...	1510	9	80513	80513	50.0	76.0	40	6.8
20...	1512	9	80513	80513	60.0	76.0	40	6.7
20...	1514	9	80513	80513	70.0	76.0	40	6.7
20...	1515	9	80513	80513	76.0	76.0	40	6.7

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
20...	1500	12.0	36.0	.90	9.8	92	753
20...	1502	11.5	--	--	9.8	--	--
20...	1504	11.5	--	--	9.8	--	--
20...	1506	10.5	--	--	9.3	--	--
20...	1508	9.5	--	--	7.7	--	--
20...	1510	9.0	--	--	6.4	--	--
20...	1512	8.5	--	--	6.4	--	--
20...	1514	8.5	--	--	6.1	--	--
20...	1515	8.5	--	--	6.0	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
APR								
10...	1400	9	80513	80513	.00	68.0	40	7.1
10...	1402	9	80513	80513	10.0	68.0	40	7.0
10...	1404	9	80513	80513	20.0	68.0	40	6.9
10...	1406	9	80513	80513	30.0	68.0	40	6.8
10...	1408	9	80513	80513	40.0	68.0	40	6.7
10...	1411	9	80513	80513	50.0	68.0	40	6.6
10...	1412	9	80513	80513	60.0	68.0	40	6.4
10...	1415	9	80513	80513	68.0	68.0	40	6.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
10...	1400	15.5	40.8	1.00	9.2	93	753
10...	1402	14.5	--	--	9.2	--	--
10...	1404	13.5	--	--	8.7	--	--
10...	1406	12.5	--	--	8.6	--	--
10...	1408	12.0	--	--	8.3	--	--
10...	1411	12.0	--	--	7.9	--	--
10...	1412	11.5	--	--	7.0	--	--
10...	1415	11.5	--	--	6.7	--	--

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
09...	1400	9	80513	80513	.00	82.0	33	7.6	31.0	20.0	50.4
09...	1401	9	80513	80010	3.00	82.0	--	--	--	--	--
09...	1402	9	80513	80513	10.0	82.0	33	7.5	--	20.0	--
09...	1403	9	80513	80513	13.0	82.0	33	7.0	--	19.0	--
09...	1404	9	80513	80513	15.0	82.0	33	6.8	--	18.0	--
09...	1405	9	80513	80010	16.5	82.0	33	6.7	--	17.0	--
09...	1413	9	80513	80513	18.0	82.0	34	6.7	--	16.0	--
09...	1416	9	80513	80513	20.0	82.0	34	6.6	--	16.0	--
09...	1420	9	80513	80513	30.0	82.0	34	6.5	--	15.5	--
09...	1422	9	80513	80513	40.0	82.0	34	6.5	--	14.5	--
09...	1424	9	80513	80513	50.0	82.0	36	6.5	--	14.5	--
09...	1426	9	80513	80513	60.0	82.0	36	6.4	--	14.0	--
09...	1430	9	80513	80010	65.5	82.0	36	6.2	--	13.5	--
09...	1432	9	80513	80513	70.0	82.0	36	6.1	--	13.0	--
09...	1436	9	80513	80513	80.0	82.0	38	6.1	--	13.0	--
09...	1440	9	80513	80513	82.0	82.0	38	6.1	--	13.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
MAY											
09...	1400	1.30	8.4	92	762	--	--	--	4	--	--
09...	1401	--	--	--	762	--	--	--	--	--	--
09...	1402	--	8.4	--	--	--	--	--	--	--	--
09...	1403	--	7.5	--	--	--	--	--	--	--	--
09...	1404	--	6.4	--	--	--	--	--	--	--	--
09...	1405	--	6.0	62	762	28	7.4	2.1	--	9	0
09...	1413	--	5.9	--	--	--	--	--	--	--	--
09...	1416	--	5.9	--	--	--	--	--	--	--	--
09...	1420	--	5.6	--	--	--	--	--	--	--	--
09...	1422	--	5.4	--	--	--	--	--	--	--	--
09...	1424	--	4.6	--	--	--	--	--	--	--	--
09...	1426	--	3.7	--	--	--	--	--	--	--	--
09...	1430	--	3.0	29	762	40	24	3.3	--	10	0
09...	1432	--	2.6	--	--	--	--	--	--	--	--
09...	1436	--	2.2	--	--	--	--	--	--	--	--
09...	1440	--	2.1	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY										
09...	1405	0	1.9	5.0	1.0	1.0	10	3.9	2.0	.400
09...	1430	0	2.2	6.0	1.1	1.0	12	3.8	2.0	.400

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
MAY										
09...	1405	.140	.16	.30	.70	.020	.010	220	<1	10
09...	1430	.180	.42	.60	1.0	.070	.020	560	<1	10

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY										
09...	1401	--	--	--	--	--	--	--	<.100	<.100
09...	1405	1	370	1	20	<.1	3	<10	--	--
09...	1430	3	1800	2	530	<.1	2	20	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
JUN								
19...	1330	9	80513	80513	.00	77.0	36	7.1
19...	1332	9	80513	80513	8.00	77.0	36	7.2
19...	1334	9	80513	80513	10.0	77.0	36	7.6
19...	1336	9	80513	80513	11.0	77.0	36	7.8
19...	1338	9	80513	80513	12.0	77.0	36	7.2
19...	1340	9	80513	80513	13.0	77.0	36	6.9
19...	1342	9	80513	80513	15.0	77.0	36	6.4
19...	1344	9	80513	80513	16.0	77.0	36	6.1
19...	1346	9	80513	80513	17.0	77.0	36	6.0
19...	1348	9	80513	80513	18.0	77.0	36	5.9
19...	1350	9	80513	80513	20.0	77.0	36	5.8
19...	1352	9	80513	80513	22.0	77.0	36	5.8
19...	1354	9	80513	80513	25.0	77.0	36	5.8
19...	1356	9	80513	80513	27.0	77.0	36	5.8
19...	1358	9	80513	80513	30.0	77.0	36	5.8
19...	1400	9	80513	80513	40.0	77.0	36	5.8
19...	1402	9	80513	80513	50.0	77.0	36	5.8
19...	1404	9	80513	80513	60.0	77.0	36	5.8
19...	1406	9	80513	80513	70.0	77.0	36	5.9
19...	1410	9	80513	80513	77.0	77.0	36	5.9

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JUN							
19...	1330	30.5	54.0	1.40	7.2	96	760
19...	1332	29.5	--	--	7.3	--	--
19...	1334	28.5	--	--	7.9	--	--
19...	1336	27.5	--	--	7.8	--	--
19...	1338	26.5	--	--	7.2	--	--
19...	1340	25.5	--	--	6.8	--	--
19...	1342	24.5	--	--	2.6	--	--
19...	1344	23.5	--	--	1.3	--	--
19...	1346	22.5	--	--	.3	--	--
19...	1348	21.5	--	--	.1	--	--
19...	1350	20.5	--	--	.2	--	--
19...	1352	19.5	--	--	.8	--	--
19...	1354	18.5	--	--	1.5	--	--
19...	1356	17.5	--	--	2.1	--	--
19...	1358	17.0	--	--	2.2	--	--
19...	1400	16.0	--	--	1.5	--	--
19...	1402	15.5	--	--	.2	--	--
19...	1404	15.0	--	--	.1	--	--
19...	1406	15.0	--	--	.1	--	--
19...	1410	14.5	--	--	.1	--	--

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
24...	1330	9	80513	80513	.00	68.0	36	7.5	28.5	62.4
24...	1332	9	80513	80010	3.00	68.0	36	7.5	28.5	--
24...	1334	9	80513	80513	10.0	68.0	36	7.4	28.0	--
24...	1336	9	80513	80513	14.0	68.0	36	6.8	27.0	--
24...	1338	9	80513	80513	16.0	68.0	36	6.1	26.0	--
24...	1340	9	80513	80513	17.0	68.0	38	6.0	25.0	--
24...	1342	9	80513	80513	18.0	68.0	38	6.0	24.0	--
24...	1344	9	80513	80513	19.0	68.0	38	6.0	23.0	--
24...	1346	9	80513	80513	20.0	68.0	38	6.0	22.0	--
24...	1348	9	80513	80513	21.0	68.0	38	6.0	21.0	--
24...	1350	9	80513	80513	22.0	68.0	36	5.9	20.0	--
24...	1352	9	80513	80513	23.0	68.0	36	5.9	19.0	--
24...	1354	9	80513	80513	24.0	68.0	36	5.9	18.0	--
24...	1356	9	80513	80513	27.0	68.0	34	5.9	17.0	--
24...	1358	9	80513	80513	30.0	68.0	34	5.8	16.5	--
24...	1400	9	80513	80513	40.0	68.0	36	5.9	15.5	--
24...	1402	9	80513	80513	50.0	68.0	40	5.9	15.0	--
24...	1404	9	80513	80513	60.0	68.0	50	6.0	14.5	--
24...	1405	9	80513	80513	68.0	68.0	66	6.2	14.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
24...	1330	1.60	7.0	90	762	--	--	--	--	--
24...	1332	--	7.0	90	762	<.100	<.010	<.010	3.90	<.100
24...	1334	--	6.9	--	--	--	--	--	--	--
24...	1336	--	5.7	--	--	--	--	--	--	--
24...	1338	--	.7	--	--	--	--	--	--	--
24...	1340	--	.2	--	--	--	--	--	--	--
24...	1342	--	.0	--	--	--	--	--	--	--
24...	1344	--	.0	--	--	--	--	--	--	--
24...	1346	--	.0	--	--	--	--	--	--	--
24...	1348	--	.0	--	--	--	--	--	--	--
24...	1350	--	.0	--	--	--	--	--	--	--
24...	1352	--	.0	--	--	--	--	--	--	--
24...	1354	--	.0	--	--	--	--	--	--	--
24...	1356	--	.0	--	--	--	--	--	--	--
24...	1358	--	.0	--	--	--	--	--	--	--
24...	1400	--	.0	--	--	--	--	--	--	--
24...	1402	--	.0	--	--	--	--	--	--	--
24...	1404	--	.0	--	--	--	--	--	--	--
24...	1405	--	.0	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
AUG										
29...	1230	9	80513	80513	.00	72.0	36	7.5	35.0	26.0
29...	1232	9	80513	80010	3.00	72.0	36	7.5	--	25.5
29...	1234	9	80513	80513	10.0	72.0	36	7.2	--	25.0
29...	1235	9	80513	80010	14.0	72.0	36	6.8	--	24.0
29...	1237	9	80513	80513	15.0	72.0	36	6.2	--	23.0
29...	1239	9	80513	80513	17.0	72.0	38	6.0	--	22.0
29...	1241	9	80513	80513	18.0	72.0	38	5.9	--	21.0
29...	1243	9	80513	80513	20.0	72.0	40	5.9	--	20.5
29...	1244	9	80513	80513	22.0	72.0	40	5.9	--	19.5
29...	1246	9	80513	80513	24.0	72.0	38	5.9	--	18.5
29...	1247	9	80513	80513	25.0	72.0	38	5.8	--	17.5
29...	1248	9	80513	80513	26.0	72.0	38	5.8	--	16.5
29...	1249	9	80513	80513	27.0	72.0	36	5.8	--	15.5
29...	1250	9	80513	80513	30.0	72.0	36	5.8	--	14.5
29...	1252	9	80513	80513	40.0	72.0	40	5.8	--	13.5
29...	1254	9	80513	80513	50.0	72.0	62	6.1	--	13.0
29...	1255	9	80513	80010	58.0	72.0	70	6.3	--	12.5
29...	1257	9	80513	80513	60.0	72.0	70	6.3	--	12.5
29...	1259	9	80513	80513	70.0	72.0	70	6.3	--	12.5
29...	1300	9	80513	80513	72.0	72.0	74	6.3	--	12.5

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
AUG										
29...	1230	88.8	2.30	7.4	92	758	--	--	--	0
29...	1232	--	--	7.4	91	758	--	--	--	--
29...	1234	--	--	6.8	--	--	--	--	--	--
29...	1235	--	--	3.5	42	758	2	1.2	1.2	--
29...	1237	--	--	2.8	--	--	--	--	--	--
29...	1239	--	--	1.2	--	--	--	--	--	--
29...	1241	--	--	.5	--	--	--	--	--	--
29...	1243	--	--	.2	--	--	--	--	--	--
29...	1244	--	--	.2	--	--	--	--	--	--
29...	1246	--	--	.2	--	--	--	--	--	--
29...	1247	--	--	.1	--	--	--	--	--	--
29...	1248	--	--	.1	--	--	--	--	--	--
29...	1249	--	--	.1	--	--	--	--	--	--
29...	1250	--	--	.1	--	--	--	--	--	--
29...	1252	--	--	.1	--	--	--	--	--	--
29...	1254	--	--	.1	--	--	--	--	--	--
29...	1255	--	--	.1	0	758	120	5.0	1.4	--
29...	1257	--	--	.1	--	--	--	--	--	--
29...	1259	--	--	.1	--	--	--	--	--	--
29...	1300	--	--	.1	--	--	--	--	--	--

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
AUG										
29...	1235	13	3.1	2.1	<.100	<.010	<.010	80	<1	10
29...	1255	20	3.2	2.3	<.100	.130	.110	90	5	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG										
29...	1232	--	--	--	--	--	--	--	1.90	<.100
29...	1235	2	180	1	50	<.1	1	<10	--	--
29...	1255	1	6800	3	1600	<.1	1	10	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
25...	1230	9	80513	80513	.00	68.0	32	7.0	25.0	84.0
25...	1231	9	80513	80010	3.00	68.0	32	7.0	25.0	--
25...	1232	9	80513	80513	10.0	68.0	32	6.8	24.5	--
25...	1234	9	80513	80513	20.0	68.0	34	6.4	23.5	--
25...	1236	9	80513	80513	22.0	68.0	34	6.0	22.5	--
25...	1238	9	80513	80513	25.0	68.0	42	6.0	21.5	--
25...	1240	9	80513	80513	26.0	68.0	42	6.0	20.5	--
25...	1242	9	80513	80513	27.0	68.0	40	6.0	19.5	--
25...	1244	9	80513	80513	28.0	68.0	40	6.0	18.5	--
25...	1246	9	80513	80513	29.0	68.0	40	6.0	17.5	--
25...	1248	9	80513	80513	30.0	68.0	42	6.1	17.0	--
25...	1250	9	80513	80513	35.0	68.0	44	6.1	16.0	--
25...	1252	9	80513	80513	40.0	68.0	48	6.2	15.5	--
25...	1253	9	80513	80513	50.0	68.0	62	6.3	15.0	--
25...	1254	9	80513	80513	60.0	68.0	74	6.4	15.0	--
25...	1255	9	80513	80513	68.0	68.0	82	6.5	14.5	--

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP									
25...	1230	2.10	7.6	92	762	--	--	--	--
25...	1231	--	7.6	92	762	.020	<.010	3.00	<.100
25...	1232	--	6.9	--	--	--	--	--	--
25...	1234	--	3.6	--	--	--	--	--	--
25...	1236	--	1.0	--	--	--	--	--	--
25...	1238	--	.2	--	--	--	--	--	--
25...	1240	--	.1	--	--	--	--	--	--
25...	1242	--	.1	--	--	--	--	--	--
25...	1244	--	.1	--	--	--	--	--	--
25...	1246	--	.1	--	--	--	--	--	--
25...	1248	--	.1	--	--	--	--	--	--
25...	1250	--	.1	--	--	--	--	--	--
25...	1252	--	.1	--	--	--	--	--	--
25...	1253	--	.1	--	--	--	--	--	--
25...	1254	--	.1	--	--	--	--	--	--
25...	1255	--	.1	--	--	--	--	--	--

07340992 SALINE RIVER BELOW DIERKS DAM, NEAR DIERKS, AR

LOCATION.--Lat 34°08'37", long 94°05'53", in sec.21, T.7 S., R.29 W., Howard County, Hydrologic Unit 11140109, at Dierks Dam, 3.1 mi upstream from Bluff Creek, 5.0 mi northwest of Dierks, and at mile 56.6.

DRAINAGE AREA.--113 mi^2.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 11...	1000	9	80513	80513	6.0	42	6.6	21.0	8.0
NOV 03...	0930	9	80513	80513	6.0	52	8.5	18.5	8.2

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC 12...	1010	9	80513	80010	612	43	6.7	8.5	10.0	12.0

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC 12...	1010	107	754	18	9.3	1.5	11	10	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC 12...	1010	2.0	5.0	1.1	1.4	12	3.0	4.6	1.70

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
DEC 12...	1010	.080	.22	.30	2.0	.050	.010	220	1

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC 12...	1010	10	2	510	1	50	<.1	<1	10

BEST COPY AVAILABLE

07340992 SALINE RIVER BELOW DIERKS DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN 09...	1030	9	80513	80010	17	38	7.7	6.0	13.2
FEB 07...	1400	9	80513	80513	17	44	7.1	6.0	11.6
MAR 20...	1430	9	80513	80513	722	40	6.8	9.0	11.6
APR 10...	1330	9	80513	80513	415	40	6.7	11.5	10.4

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY 09...	1315	9	80513	80010	699	37	6.7	28.0	14.0	10.0

DATE	TIME	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3) (95902)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)
MAY 09...	1315	97	762	30	13	3.3	52	9	0	0

DATE	TIME	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K) (00937)	ALKA- LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY 09...	1315	2.1	5.0	1.0	1.0	10	3.9	2.0	.400

DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 09...	1315	.140	.46	.60	1.0	.030	.020	290	<1

DATE	TIME	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
MAY 09...	1315	10	2	750	1	170	<.1	3	10

07340992 SALINE RIVER BELOW DIERKS DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 19...	1300	9	80513	80513	15	38	6.9	26.5	6.8
JUL 24...	1300	9	80513	80513	15	38	6.9	27.0	7.2

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
AUG 29...	1200	9	80513	80010	15	38	6.9	35.0	24.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
AUG 29...	1200	7.0	84	758	2	1.5	.7	2	13

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
AUG 29...	1200	3.8	2.2	<.100	.010	<.010	70	1	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 29...	1200	1	630	1	130	.1	2	10

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 25...	1200	9	80513	80513	12	38	6.8	24.5	8.3

07341200 SALINE RIVER NEAR LOCKESBURG, AR

LOCATION.--Lat 33°57'43", long 94°03'40", in NW 1/4 SE 1/4 sec.23, T.9 S., R.29 W., Sevier County, Hydrologic Unit 11140109, near right bank on downstream side of bridge on State Highway 24, 2.0 mi downstream from Brushy Creek, 6.0 mi east of Lockesburg, and at mile 30.0.

DRAINAGE AREA.--256 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1963 to current year.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Some regulation since May 1975 by Dierks Lake (station 07340990), 26.6 mi upstream.

AVERAGE DISCHARGE.--21 years, 397 ft^3/s, 287,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,700 ft^3/s May 14, 1968, gage height, 20.86 ft, from rating curve extended above 23,000 ft^3/s on basis of contracted-opening measurement of peak flow; minimum, 0.20 ft^3/s Nov. 6, 1963, Oct. 29, 1969.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6 or 7, 1961, reached a stage of about 25.6 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,650 ft^3/s May 3, gage height, 16.11 ft, from rating curve extended as explained above; minimum daily, 5.7 ft3/s Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	32	463	50	63	884	852	70	152	32	24	32
2	11	32	281	51	61	794	828	2340	148	31	28	26
3	11	31	1490	54	66	336	893	6250	145	29	84	25
4	11	16	1120	57	76	281	884	2990	143	28	40	25
5	11	9.0	308	58	70	314	1060	557	88	92	30	23
6	10	6.5	889	61	61	382	1040	1150	47	67	26	21
7	10	6.3	1110	58	57	198	1020	1080	46	39	34	18
8	10	6.1	1080	55	55	494	1000	916	49	31	36	17
9	10	6.7	1060	54	67	700	925	966	69	29	38	77
10	10	6.5	1060	265	103	210	736	919	41	27	88	153
11	10	6.7	1400	384	121	171	1110	889	37	26	67	51
12	13	7.1	950	433	2370	1170	614	870	36	30	43	28
13	13	7.4	831	407	2290	1540	1030	855	34	32	32	23
14	9.4	8.3	798	192	473	519	992	843	32	28	34	21
15	7.5	8.8	770	166	639	872	930	830	30	27	27	21
16	5.9	9.1	729	161	532	888	907	797	423	26	16	38
17	5.7	8.8	468	157	801	1420	874	369	649	26	13	30
18	100	8.0	451	110	797	1220	552	311	416	26	13	21
19	34	24	435	79	816	526	197	131	83	25	11	19
20	19	165	122	74	761	700	139	236	32	25	11	18
21	15	84	85	70	734	949	227	820	30	25	18	18
22	25	178	108	69	708	927	243	622	29	24	18	23
23	25	265	103	81	695	896	136	702	28	24	26	28
24	18	329	82	167	686	1190	547	820	33	24	47	25
25	15	264	70	290	676	488	323	596	36	24	27	20
26	50	245	60	275	752	310	249	193	36	47	23	21
27	149	252	59	256	1610	2770	113	107	41	35	22	24
28	150	288	61	245	506	5540	82	121	36	27	22	24
29	95	480	62	238	755	1560	76	174	31	25	22	22
30	34	482	58	227	---	807	72	141	32	23	90	22
31	32	---	50	94	---	902	---	157	---	22	67	---
TOTAL	930.5	3272.3	16613	4938	17401	29958	18656	27822	3032	976	1077	914
MEAN	30.0	109	536	159	600	966	622	897	101	31.5	34.7	30.5
MAX	150	482	1490	433	2370	5540	1110	6250	649	92	90	153
MIN	5.7	6.1	50	50	55	171	72	70	28	22	11	17
AC-FT	1850	6490	32950	9790	34510	59420	37000	55180	6010	1940	2140	1810

CAL YR 1983	TOTAL	191409.8	MEAN	524	MAX	17700	MIN	5.7	AC-FT	379700
WTR YR 1984	TOTAL	125589.8	MEAN	343	MAX	6250	MIN	5.7	AC-FT	249100

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR

LOCATION.--Lat 33°41'28", long 93°57'53", in NW 1/4 sec.26, T.12 S., R.28 W., Little River County, Hydrologic Unit 11140109, at Millwod Dam on Little River, 9.2 mi east of Ashdown, 9.6 mi upstream from Hudson Creek, and at mile 16.0.

DRAINAGE AREA.--4,119 mi^2.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
OCT								
12...	0930	9	80513	80513	.00	30.0	41	7.0
12...	0932	9	80513	80513	10.0	30.0	41	6.9
12...	0934	9	80513	80513	20.0	30.0	41	6.9
12...	0935	9	80513	80513	30.0	30.0	41	6.8

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
OCT							
12...	0930	27.0	26.4	.70	7.6	96	755
12...	0932	27.0	--	--	6.9	--	--
12...	0934	26.5	--	--	2.3	--	--
12...	0935	26.5	--	--	1.1	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
NOV								
02...	1100	9	80513	80513	.00	33.0	67	7.0
02...	1102	9	80513	80513	10.0	33.0	67	7.0
02...	1103	9	80513	80513	20.0	33.0	68	6.8
02...	1104	9	80513	80513	30.0	33.0	68	6.8
02...	1105	9	80513	80513	33.0	33.0	68	6.7

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
NOV							
02...	1100	18.0	61.2	1.60	8.4	88	765
02...	1102	17.5	--	--	7.3	--	--
02...	1103	17.5	--	--	7.0	--	--
02...	1104	17.5	--	--	6.7	--	--
02...	1105	17.0	--	--	6.7	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC											
13...	1250	9	80513	80513	.00	34.0	66	7.4	6.0	9.5	31.2
13...	1254	9	80513	80010	3.00	34.0	--	--	--	--	--
13...	1255	9	80513	80010	7.00	34.0	67	7.4	--	9.5	--
13...	1256	9	80513	80513	10.0	34.0	67	7.4	--	9.5	--
13...	1258	9	80513	80513	20.0	34.0	67	7.4	--	9.5	--
13...	1300	9	80513	80010	27.0	34.0	69	7.4	--	9.5	--
13...	1303	9	80513	80513	30.0	34.0	70	7.4	--	9.5	--
13...	1305	9	80513	80513	34.0	34.0	73	7.4	--	9.5	--

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
13...	1250	.80	10.2	91	748	--	--	--	6	--	--
13...	1254	--	--	--	748	--	--	--	--	--	--
13...	1255	--	10.2	91	748	38	16	1.1	--	15	0
13...	1256	--	10.2	--	--	--	--	--	--	--	--
13...	1258	--	10.2	--	--	--	--	--	--	--	--
13...	1300	--	10.2	91	748	35	17	.7	--	15	0
13...	1303	--	10.2	--	--	--	--	--	--	--	--
13...	1305	--	10.0	--	--	--	--	--	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
13...	1255	0	4.0	10	1.2	1.4	15	4.0	8.1	.300
13...	1300	0	3.9	10	1.2	1.3	16	4.0	8.3	.300

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
DEC										
13...	1255	.110	.19	.30	.60	.050	.020	430	1	20
13...	1300	.220	.18	.40	.70	.050	.020	410	1	10

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
13...	1254	--	--	--	--	--	--	--	2.10	.600
13...	1255	5	740	7	40	<.1	1	40	--	--
13...	1300	8	830	5	30	<.1	1	50	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
JAN								
10...	1100	9	80513	80513	.00	32.0	40	7.4
10...	1102	9	80513	80513	10.0	32.0	40	7.4
10...	1105	9	80513	80513	20.0	32.0	40	7.4
10...	1107	9	80513	80513	30.0	32.0	40	7.5
10...	1110	9	80513	80513	32.0	32.0	40	7.5

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JAN							
10...	1100	4.0	40.8	1.00	10.6	81	762
10...	1102	4.0	--	--	10.4	--	--
10...	1105	4.0	--	--	10.4	--	--
10...	1107	4.0	--	--	10.0	--	--
10...	1110	4.0	--	--	10.0	--	--

BEST COPY AVAILABLE

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
FEB								
08...	1000	9	80513	80513	.00	32.0	66	7.3
08...	1002	9	80513	80513	10.0	32.0	66	7.3
08...	1003	9	80513	80513	20.0	32.0	66	7.3
08...	1004	9	80513	80513	30.0	32.0	66	7.3
08...	1005	9	80513	80513	32.0	32.0	66	7.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
08...	1000	6.0	21.6	.60	12.0	95	769
08...	1002	6.0	--	--	12.0	--	--
08...	1003	6.0	--	--	12.0	--	--
08...	1004	6.0	--	--	12.0	--	--
08...	1005	6.0	--	--	12.0	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR								
21...	1000	9	80513	80513	.00	35.0	48	7.3
21...	1002	9	80513	80513	10.0	35.0	48	7.2
21...	1003	9	80513	80513	20.0	35.0	48	7.2
21...	1004	9	80513	80513	30.0	35.0	48	7.2
21...	1005	9	80513	80513	35.0	35.0	48	7.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
21...	1000	12.0	9.6	.20	9.6	90	754
21...	1002	11.5	--	--	9.8	--	--
21...	1003	11.5	--	--	10.2	--	--
21...	1004	11.5	--	--	10.2	--	--
21...	1005	11.5	--	--	10.2	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
APR								
11...	0730	9	80513	80513	.00	35.0	30	6.4
11...	0732	9	80513	80513	10.0	35.0	42	6.5
11...	0734	9	80513	80513	20.0	35.0	44	6.5
11...	0737	9	80513	80513	30.0	35.0	46	6.5
11...	0740	9	80513	80513	35.0	35.0	38	6.5

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
11...	0730	15.0	19.2	.50	8.8	88	757
11...	0732	15.0	--	--	8.6	--	--
11...	0734	15.0	--	--	8.6	--	--
11...	0737	15.0	--	--	8.6	--	--
11...	0740	15.0	--	--	8.6	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
10...	1030	9	80513	80513	.00	38.0	48	6.6	26.0	20.0	26.4
10...	1031	9	80513	80010	3.00	38.0	--	--	--	--	--
10...	1035	9	80513	80010	7.50	38.0	48	6.5	--	20.0	--
10...	1036	9	80513	80513	10.0	38.0	48	6.5	--	20.0	--
10...	1037	9	80513	80513	20.0	38.0	46	6.5	--	19.5	--
10...	1040	9	80513	80010	30.0	38.0	46	6.6	--	19.5	--
10...	1045	9	80513	80513	38.0	38.0	46	6.8	--	19.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
MAY											
10...	1030	.70	6.8	74	766	--	--	--	7	--	--
10...	1031	--	--	--	766	--	--	--	--	--	--
10...	1035	--	6.6	72	766	65	23	2.1	--	16	2
10...	1036	--	6.6	--	--	--	--	--	--	--	--
10...	1037	--	6.4	--	--	--	--	--	--	--	--
10...	1040	--	6.4	69	766	70	21	1.5	--	17	1
10...	1045	--	6.4	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY										
10...	1035	2	4.9	12	.90	1.5	14	5.6	2.3	.100
10...	1040	1	5.4	14	.90	1.5	16	5.9	2.5	<.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
MAY										
10...	1035	.060	.54	.60	.70	.060	.020	550	1	20
10...	1040	.050	.45	.50	--	.060	.010	470	1	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
10...	1031	--	--	--	--	--	--	--	2.20	<.100
10...	1035	1	870	1	60	<.1	4	20	--	--
10...	1040	3	890	1	70	.1	4	<10	--	--

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JUN								
20...	1400	9	80513	80513	.00	35.0	60	7.4
20...	1402	9	80513	80513	10.0	35.0	60	7.4
20...	1404	9	80513	80513	13.0	35.0	60	6.6
20...	1406	9	80513	80513	14.0	35.0	60	6.6
20...	1408	9	80513	80513	15.0	35.0	60	6.6
20...	1410	9	80513	80513	18.0	35.0	60	6.5
20...	1412	9	80513	80513	20.0	35.0	60	6.4
20...	1414	9	80513	80513	30.0	35.0	60	6.3
20...	1415	9	80513	80513	35.0	35.0	62	6.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
20...	1400	31.0	40.8	1.00	6.8	91	768
20...	1402	30.0	--	--	7.1	--	--
20...	1404	29.0	--	--	4.1	--	--
20...	1406	28.0	--	--	3.5	--	--
20...	1408	27.0	--	--	3.0	--	--
20...	1410	26.0	--	--	1.6	--	--
20...	1412	25.0	--	--	1.1	--	--
20...	1414	25.0	--	--	1.0	--	--
20...	1415	24.5	--	--	.7	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
25...	1200	9	80513	80513	.00	35.0	72	7.4	30.0	36.0
25...	1202	9	80513	80010	3.00	35.0	72	7.4	30.0	--
25...	1204	9	80513	80513	10.0	35.0	72	7.1	29.0	--
25...	1206	9	80513	80513	18.0	35.0	72	6.7	28.0	--
25...	1208	9	80513	80513	20.0	35.0	72	6.5	27.5	--
25...	1210	9	80513	80513	30.0	35.0	72	6.5	27.5	--
25...	1215	9	80513	80513	35.0	35.0	72	6.5	27.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
25...	1200	.90	6.8	90	760	--	--	--	--	--
25...	1202	--	6.7	89	760	<.100	.030	<.010	3.30	<.100
25...	1204	--	6.4	--	--	--	--	--	--	--
25...	1206	--	4.4	--	--	--	--	--	--	--
25...	1208	--	4.1	--	--	--	--	--	--	--
25...	1210	--	4.1	--	--	--	--	--	--	--
25...	1215	--	4.2	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
AUG										
30...	1330	9	80513	80513	.00	35.0	64	7.9	36.0	26.0
30...	1331	9	80513	80010	3.00	35.0	64	7.9	--	25.5
30...	1335	9	80513	80010	35.0	7.0	64	7.4	--	25.0
30...	1337	9	80513	80513	10.0	35.0	64	7.1	--	24.5
30...	1339	9	80513	80513	20.0	35.0	64	7.0	--	24.0
30...	1340	9	80513	80010	35.0	28.0	64	7.0	--	24.0
30...	1342	9	80513	80513	30.0	35.0	64	7.0	--	24.0
30...	1345	9	80513	80513	35.0	35.0	64	7.0	--	24.0

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (IN) (00077)	TRANS-PARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
AUG										
30...	1330	21.6	.60	7.0	86	767	--	--	--	5
30...	1331	--	--	7.0	85	767	--	--	--	--
30...	1335	--	--	5.5	66	767	7	5.5	2.0	--
30...	1337	--	--	5.2	--	--	--	--	--	--
30...	1339	--	--	5.2	--	--	--	--	--	--
30...	1340	--	--	5.1	60	767	5	3.5	1.7	--
30...	1342	--	--	5.0	--	--	--	--	--	--
30...	1345	--	--	5.0	--	--	--	--	--	--

DATE	TIME	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
AUG										
30...	1335	19	3.8	6.4	<.100	.030	<.010	190	2	10
30...	1340	20	3.8	6.4	<.100	.020	.010	260	2	10

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG										
30...	1331	--	--	--	--	--	--	--	4.00	<.100
30...	1335	1	680	1	300	<.1	6	10	--	--
30...	1340	1	860	1	240	<.1	5	<10	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
SEP										
26...	0800	9	80513	80513	.00	35.0	62	7.0	25.0	26.4
26...	0801	9	80513	80010	3.00	35.0	62	7.0	25.0	--
26...	0802	9	80513	80513	10.0	35.0	62	6.9	24.5	--
26...	0804	9	80513	80513	20.0	35.0	62	6.8	24.0	--
26...	0806	9	80513	80513	25.0	35.0	62	6.8	23.0	--
26...	0808	9	80513	80513	30.0	35.0	62	6.7	23.0	--
26...	0810	9	80513	80513	35.0	35.0	62	6.7	23.0	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP									
26...	0800	.70	7.2	86	771	--	--	--	--
26...	0801	--	7.2	86	771	.170	.040	7.70	<.100
26...	0802	--	6.8	--	--	--	--	--	--
26...	0804	--	6.4	--	--	--	--	--	--
26...	0806	--	6.4	--	--	--	--	--	--
26...	0808	--	6.2	--	--	--	--	--	--
26...	0810	--	6.0	--	--	--	--	--	--

BEST COPY AVAILABLE

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR
(National stream-quality accounting network station)

LOCATION.--Lat 33°41'28", long 93°57'53", in NW 1/4 sec.26, T.12 S., R.28 W., Little River County, Hydrologic Unit 11140109, at Millwood Dam, 9.2 mi upstream from Hudson Creek, and at mile 16.0.

DRAINAGE AREA.--4,119 mi^2.

PERIOD OF RECORD.--April 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to September 1980.
WATER TEMPERATURES: October 1979 to September 1980.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT 12...	0900	9	80513	80010	200	59	7.2	20.0	7.6	84	755

DATE	TIME	TURBIDITY (NTU) (00076)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 12...	0900	22	K8	52	18	0	0	4.8	1.4	4.4	33

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT 12...	0900	.5	1.4	18	5.3	5.3	<.10	9.8	48	44	.07

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
OCT 12...	0900	<.100	.120	.50	.050	.010	.030	<10	1	35	<.5

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 12...	0900	<1	1	<3	<1	42	2	<4	<1	<.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 12...	0900	<10	<1	<1	<1	48	7	55	30	88

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 02...	1030	9	80513	80513	197	65	6.8	19.0	8.8

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC 13...	1200	9	80513	80010	10800	66	7.3	6.5	9.5	12.0

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC 13...	1200	107	749	42	20	1.2	2	15	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC 13...	1200	4.0	10	1.2	1.4	15	5.0	7.1	.300

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
DEC 13...	1200	.360	-.06	.30	.60	.080	.110	550	1

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC 13...	1200	10	4	1000	5	40	<.1	1	20

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN 10...	0930	9	80513	80010	1660	40	7.5	4.0	13.6	104	762

BEST [illegible] AVAILABLE

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TURBIDITY (NTU) (00076)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
JAN 10...	0930	75	8	140	13	0	0	3.2	1.1	2.9	31

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
JAN 10...	0930	.4	1.1	14	5.5	.60	.10	6.5	46	30	.06

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
JAN 10...	0930	.170	.090	.50	.070	.020	.010	<10	1	14	<.5

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
JAN 10...	0930	<1	<1	<3	1	160	1	<4	12	<.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 10...	0930	<10	1	1	<1	23	<3	126	565	97

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
FEB 08...	0930	9	80513	80513	2400	64	7.4	6.0	13.8
MAR 21...	0930	9	80513	80513	15600	48	7.2	11.5	12.0

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR 11...	0700	9	80513	80010	13400	40	6.8	15.0	10.0	100	759

BEST COPY AVAILABLE

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	TURBIDITY (NTU) (00076)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
APR 11...	0700	14	10	21	13	2	2	3.6	.98	3.0	31

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
APR 11...	0700	.4	1.0	11	4.9	3.7	<.10	6.9	30	31	.04

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
APR 11...	0700	.170	.100	1.2	.410	.030	<.010	40	1	15	<.5

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
APR 11...	0700	<1	<1	<3	6	180	2	<4	24	<.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR 11...	0700	<10	1	<1	<1	26	10	21	761	60

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY 10...	0945	9	80513	80010	24200	48	6.8	21.0	19.0	7.7

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
MAY 10...	0945	83	766	55	21	2.0	23	16	2	2

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY 10...	0945	4.9	12	1.0	1.5	14	5.6	2.6	.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 10...	0945	.100	.50	.60	.70	.060	.040	580	1

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 10...	0945	20	3	1000	<1	80	<.1	5	10

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 20...	1300	9	80513	80513	808	64	7.1	29.5	8.0

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUL 25...	0900	9	80513	80010	1200	79	7.3	28.5	7.7	100	760

DATE	TIME	TURBIDITY (NTU) (00076)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
JUL 25...	0900	1.0	9	210	20	2	2	5.8	1.4	4.5	31

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
JUL 25...	0900	.5	1.3	18	9.3	6.7	<.10	4.2	50	44	.07

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
JUL 25...	0900	<.100	<.010	.50	.030	<.010	.010	10	1	13	1

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
JUL 25...	0900	<1	1	<3	5	25	2	<4	2	<.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL 25...	0900	<10	3	<1	<1	56	13	2	6.5	50

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
AUG 30...	1300	9	80513	80010	405	64	7.3	36.0	26.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
AUG 30...	1300	8.0	98	767	3	4.2	2.6	47	20

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
AUG 30...	1300	4.0	6.8	<.100	.020	.010	220	2	<10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 30...	1300	1	730	4	220	<.1	5	10

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
26...	0730	9	80513	80513	6660	64	7.1	23.5	8.2

BEST COPY AVAILABLE

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR
(National stream-quality accounting network station)

LOCATION.--Lat 33°14'32", long 93°59'58", in SE 1/4 SE 1/4 sec.28, T.17 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 13.5 mi south of Texarkana.

DRAINAGE AREA.--3,540 mi^2.

PERIOD OF RECORD.--October 1968 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to September 1981.
WATER TEMPERATURES: July 1979 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	TEMPER-ATURE (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT 12...	1230	9	21.5	760	80513	80010	184	38	353	6.7	76
JAN 10...	1130	9	7.5	760	80513	80010	358	17	160	12.2	102
APR 11...	1130	9	15.0	758	80513	80010	6270	37	284	8.5	85
JUL 25...	1400	9	30.0	760	80513	80010	291	27	225	8.1	108

DATE	TIME	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 12...	1230	7.7	7.4	3.5	.160	.70	.20	.09	.110	.040	.030
JAN 10...	1130	7.5	7.1	4.0	.070	1.4	.20	.06	.070	.030	.020
APR 11...	1130	7.8	7.5	2.3	.180	1.4	.22	.15	1.70	.080	.050
JUL 25...	1400	7.4	7.4	5.7	.060	1.2	<.10	.06	.130	.020	.020

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	PERCENT SODIUM (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 12...	1230	96	6	32	3.9	19	.9	29	3.6	21	19
JAN 10...	1130	84	18	28	3.4	23	1	36	3.0	23	24
APR 11...	1130	86	11	30	2.7	21	1	33	4.3	21	25
JUL 25...	1400	76	2	25	3.1	13	.7	26	3.6	12	18

DATE	TIME	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
OCT 12...	1230	.20	9.5	1	85	<.5	<1	<1	<3	<1	15
JAN 10...	1130	.10	7.1	1	59	<.5	<1	<1	<3	1	58
APR 11...	1130	.20	8.3	1	59	<.5	<1	<1	<3	6	180
JUL 25...	1400	.30	.2	2	54	1.0	<1	1	<3	3	7

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)
OCT											
12...	1230	1	2	<10	<1	<1	270	<6	5	<10	6
JAN											
10...	1130	1	24	<10	1	<1	230	<6	<3	20	<4
APR											
11...	1130	2	40	<10	1	<1	240	<6	38	50	5
JUL											
25...	1400	1	4	<10	2	<1	250	<6	<3	10	4

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)
OCT										
12...	1230	<1	61	98	175	160	87	.24	90	.21
JAN										
10...	1130	<1	41	280	235	150	227	.32	80	.09
APR										
11...	1130	<1	49	320	158	160	2670	.21	88	.23
JUL										
25...	1400	<1	12	38	154	120	121	.21	80	.08

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	DRAIN-AGE AREA (SQ. MI.) (81024)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	LAB ID NUMBER (UNITS) (99998)
OCT										
12...	1230	.34	<.1	81	40	3540	282	90	6	3290053
JAN										
10...	1130	.21	<.1	23	22	3540	276	66	18	4013025
APR										
11...	1130	5.2	<.1	52	880	3540	274	75	11	4107036
JUL										
25...	1400	--	.1	69	54	3540	225	74	2	4215023

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, AR

LOCATION.--Lat 33°19'06", long 94°00'16", in sec.33, T.16 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 4.4 mi south of junction U.S. Highway 71 and State Highway 237, and 7.8 mi southeast of Texarkana.

DRAINAGE AREA.--78.5 mi^2.

PERIOD OF RECORD.--December 1973 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1983											
18...	1110	9	9827	9827	27	7.6	25.0	21.0	7.5	.9	68
NOV											
08...	1430	9	9827	9827	25	7.6	20.0	16.0	6.0	3.2	63
DEC											
13...	1230	9	9827	9827	56	7.0	8.0	9.0	30	6.2	43
JAN, 1984											
17...	1220	9	9827	9827	36	7.1	10.0	4.0	--	6.7	45
FEB											
14...	1230	9	9827	9827	133	6.8	24.0	11.0	110	6.5	57
MAR											
13...	1215	9	9827	9827	520	6.4	20.0	12.0	50	7.2	38
APR											
10...	1230	9	9827	9827	56	7.0	22.0	18.0	20	4.6	47
MAY											
15...	1215	9	9827	9827	31	7.4	27.0	25.0	9.0	6.2	--
JUN											
12...	1210	9	9827	9827	28	7.4	29.0	28.0	20	--	54
JUL											
17...	1240	9	9827	9827	27	7.6	30.0	29.0	20	3.1	61
AUG											
14...	1230	9	9827	9827	27	7.5	30.0	26.0	8.0	1.3	63
SEP											
11...	1200	9	9827	9827	30	7.2	30.0	26.0	--	2.1	60

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1983											
18...	1110	14	--	48	150	464	.63	8	.03	--	--
NOV											
08...	1430	--	1900	39	130	437	.59	6	.05	--	--
DEC											
13...	1230	7.6	670	23	58	213	.29	18	.56	2.90	-1.9
JAN, 1984											
17...	1220	10	28	33	61	239	.33	8	.39	--	--
FEB											
14...	1230	6.0	1800	19	28	151	.21	41	.75	1.10	--
MAR											
13...	1215	5.7	630	10	17	121	.16	41	.64	.640	1.7
APR											
10...	1230	6.4	2000	18	34	171	.23	17	.39	3.10	1.7
MAY											
15...	1215	13	3200	46	150	432	.59	23	.13	9.40	5.6
JUN											
12...	1210	11	--	55	230	587	.80	38	.06	12.3	-6.3
JUL											
17...	1240	--	5800	45	110	395	.54	19	.11	8.90	3.1
AUG											
14...	1230	19	600	38	96	362	.49	20	--	14.2	.80
SEP											
11...	1200	6.0	1000	30	67	258	.35	13	.16	5.70	1.3

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1983 18...	1110	--	--	--	3.75	2.95	--	0	3	36	27
NOV 08...	1430	17	17	75	--	2.70	<5	0	7	--	17
DEC 13...	1230	1.0	1.6	6.9	.700	--	--	0	5	22	19
JAN, 1984 17...	1220	12	12	55	1.50	.560	--	0	5	23	--
FEB 14...	1230	--	--	--	.510	.230	5	0	3	34	16
MAR 13...	1215	2.3	2.9	13	.370	.150	--	0	--	22	12
APR 10...	1230	4.8	5.2	23	.700	.360	<5	0	4	25	21
MAY 15...	1215	15	15	67	1.50	1.00	--	0	6	53	17
JUN 12...	1210	6.0	6.1	27	1.92	1.05	--	0	2	--	--
JUL 17...	1240	12	12	54	2.30	1.80	--	0	5	49	--
AUG 14...	1230	15	--	--	3.00	2.30	5	0	4	27	23
SEP 11...	1200	7.0	7.2	32	1.15	1.05	--	0	1	55	27

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983 08...	1430	<5	60	--	--	--	--	--	--	--	--
DEC, 1983 13...	1230	--	100	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984 17...	1220	--	--	.000	.000	.000	.000	.000	.00	.00	.0
FEB 14...	1230	<5	120	--	--	--	--	--	--	--	--
MAR 13...	1215	--	70	--	--	--	--	--	--	--	--
APR 10...	1230	<5	120	.000	.000	.000	.000	.000	.00	.00	.0
MAY 15...	1215	--	100	--	--	--	--	--	--	--	--
AUG 14...	1230	<5	80	.000	.000	.000	.000	.000	.00	<.01	.0
SEP 11...	1200	--	60	--	--	--	--	--	--	--	--

BEST COPY AVAILABLE

07344350 RED RIVER NEAR SPRING BANK, AR

LOCATION.--Lat 33°05'29", long 93°51'38", in NW 1/4 sec.24, T.19 S., R.27 W., Miller County, Hydrologic Unit 11140201, at ferry landing, 1.8 mi west of Spring Bank.

DRAINAGE AREA.--56,909 mi^2.

PERIOD OF RECORD.--October 1968 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1983											
18...	1200	9	9827	9827	2500	7.9	23.0	21.0	35	8.0	23
NOV											
08...	1300	9	9827	9827	25000	7.9	22.0	17.0	180	7.9	38
DEC											
13...	1330	9	9827	9827	12000	7.4	8.0	10.0	80	9.0	36
JAN, 1984											
17...	1330	9	9827	9827	9800	7.7	10.0	4.0	--	12.7	27
FEB											
14...	1320	9	9827	9827	8700	7.5	24.0	12.0	190	8.7	43
MAR											
13...	1300	9	9827	9827	19000	7.5	20.0	12.0	85	9.5	39
APR											
10...	1315	9	9827	9827	33000	7.5	20.0	16.0	85	7.1	34
MAY											
15...	1330	9	9827	9827	35000	7.7	32.0	25.0	85	8.2	27
JUN											
12...	1310	9	9827	9827	4900	7.9	29.0	29.0	30	--	23
JUL											
17...	1400	9	9827	9827	5600	8.1	32.0	30.0	30	7.6	29
AUG											
14...	1310	9	9827	9827	4200	7.8	30.0	28.0	35	6.1	28
SEP											
11...	1300	9	9827	9827	2700	7.9	30.0	28.0	--	8.2	34

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1983											
18...	1200	3.9	--	84	110	467	.64	40	.28	--	--
NOV											
08...	1300	1.9	16	88	200	730	.99	265	.34	.330	.17
DEC											
13...	1330	2.6	520	37	52	244	.33	108	.27	.170	--
JAN, 1984											
17...	1330	2.1	4	42	57	254	.35	62	.30	--	--
FEB											
14...	1320	3.8	860	33	46	248	.34	239	.28	.150	--
MAR											
13...	1300	2.1	370	37	52	277	.38	95	.36	.170	1.0
APR ..	1315	1.4	40	28	35	238	.32	117	.23	.100	1.0
MAY.											
15...	1330	2.5	10	31	34	188	.26	174	.15	.040	.26
JUN	1310	3.0	<10	89	110	472	.64	68	.10	.070	1.0
JUL...											
17...	1400	3.9	20	100	140	516	.70	41	.12	.030	.77
AUG											
14...	1310	5.0	110	31	47	241	.33	42	--	.160	.94
SEP											
11...	1300	4.7	10	120	190	669	.91	33	.28	<.010	--

07344350 RED RIVER NEAR SPRING BANK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1983											
18...	1200	.30	.58	2.6	.160	.030	--	0	2	37	23
NOV											
08...	1300	.50	.84	3.7	--	.070	5	0	15	--	14
DEC											
13...	1330	<.10	--	--	.190	--	--	0	7	39	17
JAN, 1984											
17...	1330	<.10	--	--	.110	.050	--	0	4	12	--
FEB											
14...	1320	--	--	--	.270	.070	15	0	10	10	18
MAR											
13...	1300	1.2	1.6	6.9	.210	.100	--	0	--	21	13
APR											
10...	1315	1.1	1.3	5.9	.140	.100	<5	0	6	32	23
MAY											
15...	1330	.30	.45	2.0	.160	.040	--	0	5	<10	46
JUN											
12...	1310	1.1	1.2	5.3	.180	.020	--	0	1	--	--
JUL											
17...	1400	.80	.92	4.1	.110	.030	--	0	1	33	--
AUG											
14...	1310	1.1	--	--	.190	.080	<5	0	4	19	17
SEP											
11...	1300	.90	1.2	5.2	.110	.030	--	0	<1	10	41

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983											
08...	1300	<5	60	--	--	--	--	--	--	--	--
DEC, 1983											
13...	1330	--	70	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984											
17...	1330	--	--	.000	.000	.000	.000	.000	.00	.00	.0
FEB											
14...	1320	<5	40	--	--	--	--	--	--	--	--
MAR											
13...	1300	--	40	--	--	--	--	--	--	--	--
APR											
10...	1315	<5	90	.000	.000	.000	.000	.000	.00	.00	.0
MAY											
15...	1330	--	10	--	--	--	--	--	--	--	--
AUG											
14...	1310	<5	30	.000	.000	.000	.000	.000	.00	<.01	.0
SEP											
11...	1300	--	0	--	--	--	--	--	--	--	--

07348650 BAYOU DORCHEAT NEAR TAYLOR, AR

LOCATION.--Lat 33°05'53", long 93°22'53", in SE 1/4 sec.9, T.19 S., R.22 W., Columbia County, Hydrologic Unit 11140203, at bridge on State Highway 160, 4.4 mi east of Taylor.

DRAINAGE AREA.--389 mi².

PERIOD OF RECORD.--October 1973 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, DECEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
DEC, 1983										
06...	1200	9	9827	9827	146	5.3	9.0	11.0	9.0	7.3
JAN, 1984										
24...	1300	9	9827	9827	235	5.4	6.0	3.0	7.8	11.7
FEB										
21...	1252	9	9827	9827	1210	5.2	17.0	10.0	5.8	8.6
APR										
24...	1227	9	9827	9827	626	5.6	31.0	19.0	9.2	7.5
MAY										
22...	1235	9	9827	9827	37	--	26.0	21.0	15	3.7
JUN										
19...	1300	9	9827	9827	5.8	6.4	34.0	26.0	8.4	2.5
AUG										
28...	1315	9	9827	9827	71	--	29.0	25.0	7.0	5.9
SEP										
25...	1322	9	9827	9827	1.4	6.5	32.0	28.0	4.5	.9

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC, 1983									
06...	1200	2.5	340	8.0	39	131	.18	10	.02
JAN, 1984									
24...	1300	1.7	44	8.0	42	135	.18	5	.05
FEB									
21...	1252	--	20	6.0	42	129	.18	4	.02
APR									
24...	1227	2.5	50	6.0	35	127	.17	10	.04
MAY									
22...	1235	1.3	70	6.0	39	--	--	12	.06
JUN									
19...	1300	2.1	10	8.0	45	151	.21	6	.16
AUG									
28...	1315	1.2	30	6.0	59	168	.23	8	<.01
SEP									
25...	1322	--	--	8.0	53	141	.19	2	.03

07348650 BAYOU DORCHEAT NEAR TAYLOR, AR--CONTINUED

WATER QUALITY DATA, DECEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC , 1983									
06...	1200	.040	.040	<.010	0	2	29	--	40
JAN , 1984									
24...	1300	.040	.020	<.010	0	11	--	--	--
FEB									
21...	1252	.010	.040	.020	--	4	24	28	40
APR									
24...	1227	.020	.110	.020	1	<1	37	15	50
MAY									
22...	1235	.230	.080	.030	0	2	39	--	--
JUN									
19...	1300	.130	--	.040	0	<1	38	--	40
AUG									
28...	1315	<.010	.050	.020	0	--	--	--	60
SEP									
25...	1322	.100	.080	.020	0	<1	32	50	30

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
28...	1315	.000	.000	.000	.000	.000	.00	<.01	.0

07349440 BODCAU CREEK NEAR LEWISVILLE, AR

LOCATION.--Lat 33°15'42", long 93°33'05", in SE 1/4 sec.14, T.17 S., R.24 W., Lafayette County, Hydrologic Unit 11140205, at bridge on State Highway 313, 6.7 mi southeast of Lewisville.

PERIOD OF RECORD.--April 1974 to September 1977, October 1978 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1983										
18...	1300	9	9827	9827	6.6	25.0	22.0	20	6.9	2.3
NOV										
15...	1145	9	9827	9827	6.7	20.0	16.0	8.0	3.1	1.4
DEC										
06...	1308	9	9827	9827	5.6	9.0	11.0	15	5.7	2.1
JAN, 1984										
24...	1332	9	9827	9827	5.6	7.0	3.0	4.8	11.8	1.6
FEB										
21...	1336	9	9827	9827	5.5	17.0	12.0	8.5	8.6	--
MAR										
20...	1300	9	9827	9827	5.7	15.0	16.0	7.4	5.0	1.3
APR										
24...	1300	9	9827	9827	6.0	31.0	20.0	9.2	6.0	2.3
MAY										
22...	1300	9	9827	9827	--	27.0	23.0	20	4.6	.6
JUN										
19...	1337	9	9827	9827	6.3	30.0	28.0	6.8	5.6	2.5
JUL										
31...	1430	9	9827	9827	6.4	30.0	25.0	8.5	5.9	2.3
AUG										
28...	1345	9	9827	9827	--	28.0	25.0	8.0	4.1	1.4
SEP										
25...	1350	9	9827	9827	6.6	33.0	25.0	8.0	4.3	1.6

DATE	TIME	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1983										
18...	1300	--	7.0	96	222	.30	22	.03	--	.090
NOV										
15...	1145	44	2.0	78	196	.27	6	.01	<.010	.050
DEC										
06...	1308	170	9.0	66	182	.25	8	.03	.040	.070
JAN, 1984										
24...	1332	20	9.0	57	157	.21	4	.10	.020	.040
FEB										
21...	1336	4	7.0	25	103	.14	3	.05	.010	.070
MAR										
20...	1300	660	6.0	20	87	.12	6	.02	.010	.050
APR										
24...	1300	40	5.0	24	103	.14	7	.08	.050	.150
MAY										
22...	1300	45	4.0	38	--	--	18	.23	.120	.150
JUN										
19...	1337	4	4.0	98	247	.34	<1	.15	.050	--
JUL										
31...	1430	28	--	55	158	.21	10	--	--	.120
AUG										
28...	1345	60	6.0	55	166	.23	10	.12	.090	.190
SEP										
25...	1350	48	6.0	38	114	.16	9	.07	.030	.150

07349440 BODCAU CREEK NEAR LEWISVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1983									
18...	1300	.010	--	0	<1	30	20	--	--
NOV									
15...	1145	.030	<5	0	<1	16	15	<5	10
DEC									
06...	1308	.010	--	0	<1	31	--	--	40
JAN, 1984									
24...	1332	.010	--	0	2	--	--	--	--
FEB									
21...	1336	.030	<5	0	1	34	29	<5	40
MAR									
20...	1300	.040	--	0	<1	37	25	--	40
APR									
24...	1300	.060	<5	0	1	30	15	<5	40
MAY									
22...	1300	.100	--	0	2	42	--	--	--
JUN									
19...	1337	.040	--	0	<1	24	--	--	40
JUL									
31...	1430	--	<5	1	<1	47	43	<5	60
AUG									
28...	1345	.140	--	0	--	--	--	--	60
SEP									
25...	1350	.090	--	0	2	32	35	--	30

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
JUL, 1984									
31...	1430	.000	.000	<.010	.000	.000	.00	.00	.0

07355825 PRAIRIE CREEK NEAR MENA, AR

LOCATION.--Lat 34°34'14" long 94°11'16", in NW 1/4 NE 1/4 sec.22, T.2 S., R.30 W., Polk County, Hydrologic Unit 08040101, on county road running between State Highways 8 and 88. 2 mi east of junction of county road and State Highway 8.

PERIOD OF RECORD.--November 1983 to August 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983									
15...	1045	9	9827	9827	7.2	12.0	10.0	30	8.8
DEC									
06...	0930	9	9827	9827	6.8	.0	7.0	25	10.6
JAN, 1984									
10...	1040	9	9827	9827	6.9	.0	4.0	40	11.9
FEB									
07...	1020	9	9827	9827	7.1	13.0	4.0	9.0	12.6
MAR									
06...	0940	9	9827	9827	6.9	10.0	8.0	20	12.0
APR									
17...	1015	9	9827	9827	7.4	18.0	15.0	25	10.0
MAY									
15...	0940	9	9827	9827	7.0	21.0	22.0	25	7.5
JUN									
12...	0940	9	9827	9827	6.9	30.0	27.0	20	5.4
JUL									
24...	0925	9	9827	9827	7.1	21.0	24.0	35	5.6
AUG									
28...	1240	9	9827	9827	7.2	31.0	29.0	25	4.8
SEP									
25...	1045	9	9827	9827	--	26.0	24.0	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
15...	1045	11	1500	28	21	173	.24	47	1.3
DEC									
06...	0930	3.1	1200	9.0	9.5	80	.11	12	.77
JAN, 1984									
10...	1040	5.0	1000	11	9.5	93	.13	22	.55
FEB									
07...	1020	12	56	15	11	95	.13	19	.66
MAR									
06...	0940	8.7	70	--	7.5	59	.08	22	--
APR									
17...	1015	4.8	160	8.0	7.5	76	.10	35	.56
MAY									
15...	0940	4.6	440	12	6.0	83	.11	25	.45
JUN									
12...	0940	--	130	9.0	--	106	.14	--	.56
JUL									
24...	0925	--	340	--	11	96	.13	58	.16
AUG									
28...	1240	--	170	9.0	13	160	.22	32	.35
SEP									
25...	1045	--	260	--	--	--	--	--	--

07355825 PRAIRIE CREEK NEAR MENA, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV , 1983									
15...	1045	1.10	2.55	1.60	0	1	<10	<1	0
DEC									
06...	0930	.820	.500	.420	0	2	<10	2	0
JAN , 1984									
10...	1040	.870	.540	.340	0	--	<10	1	0
FEB									
07...	1020	1.35	1.26	.900	0	1	--	2	--
MAR									
06...	0940	--	--	.490	0	<1	<10	--	0
APR									
17...	1015	.070	1.40	1.00	0	1	<10	--	0
MAY									
15...	0940	.130	1.58	1.18	0	2	--	--	0
JUN									
12...	0940	.490	3.64	1.05	0	<1	<10	0	0
JUL									
24...	0925	.630	2.45	1.50	0	2	<10	2	0
AUG									
28...	1240	2.00	4.10	3.70	0	<1	<10	7	10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
24...	0925	.000	.000	.000	.000	.000	.00	<.01	.0

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR

LOCATION.--Lat 34°36'36", long 93°41'50", in SE 1/4 SW 1/4 sec.32, T.1 S., R.25 W., Montgomery County, Hydrologic Unit 08040101, on right bank 300 ft upstream from bridge on U.S. Highway 270, 3.1 mi upstream from Fiddler's Creek, 5.2 mi northwest of Mount Ida, and at mile 553.4.

DRAINAGE AREA.--414 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1947(m). WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 655.14 ft National Geodetic Vertical Datum of 1929. Prior to Dec. 3, 1941, and Mar. 1, 1945, to Apr. 1, 1946, nonrecording gage, Dec. 3, 1941 to Feb. 21, 1945, and Apr. 2, 1946, to Nov. 2, 1949, water-stage recorder, all at site 350 ft downstream at present datum.

REMARKS.--Records good except those for period of no gage-height record, Mar. 7 to Apr. 17, which are fair. As of August 1977, flow from 34.3 mi^2 upstream from this station is controlled by one floodwater-detention reservoir that has a capacity of 15,661 acre-ft, of which 9,726 acre-ft is flood-detention, 4,600 acre-ft is water supply, and 1,335 acre-ft is sediment storage.

AVERAGE DISCHARGE.--43 years, 714 ft^3/s, 23.42 in/yr, 517,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft^3/s Dec. 3, 1982, gage height, 39.78 ft, from floodmarks; minimum, 2.3 ft^3/s Aug. 25, 1954, gage height, 1.03 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Dec. 3, 1982, was about 4.0 ft higher than that of 1908 and is the highest since at least that date, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,400 ft^3/s Dec. 3, at 1400 hours, gage height, 13.17 ft, no peak above base of 11,000 ft^3/s; minimum, 15 ft^3/s Oct. 5-10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	41	468	164	307	1250	1150	290	219	41	142	28
2	18	40	1250	160	286	1020	940	2040	190	38	128	28
3	17	40	8560	162	271	865	1000	6900	169	40	272	32
4	16	38	3950	168	267	799	980	4390	154	36	195	25
5	16	37	1820	177	248	1160	880	2450	141	35	150	24
6	15	37	1300	185	222	964	700	2030	131	34	234	22
7	15	37	971	187	206	803	600	1510	123	34	131	20
8	15	37	789	176	196	750	650	1490	116	46	104	20
9	15	39	666	198	196	670	1600	1100	110	62	101	37
10	17	40	644	657	206	610	1300	881	103	54	132	61
11	20	39	2700	805	231	600	980	713	95	63	303	118
12	24	39	2280	658	5680	2700	820	587	87	101	230	104
13	24	39	1490	566	3880	3300	720	496	81	200	159	72
14	27	39	1010	487	1850	2400	600	420	74	157	126	56
15	26	39	785	432	1320	1500	520	362	70	108	104	55
16	25	39	651	397	1310	1100	440	324	65	85	89	44
17	32	37	563	365	1040	1300	400	294	62	111	78	38
18	70	37	494	339	891	1400	370	243	59	298	71	34
19	118	78	439	315	823	1400	351	218	58	298	62	32
20	102	815	395	271	700	1400	329	550	63	178	59	30
21	92	504	372	244	618	1200	757	831	60	131	53	29
22	86	289	352	224	554	980	1080	676	56	103	50	53
23	93	964	319	253	497	820	751	569	57	85	46	1030
24	94	1490	273	444	446	2400	620	482	66	92	43	606
25	75	806	252	508	399	2100	524	385	70	197	39	352
26	63	557	252	462	733	1500	447	324	54	366	36	890
27	56	564	208	429	5140	1600	402	291	50	338	34	844
28	51	920	202	399	2870	4000	359	319	51	426	33	589
29	47	729	203	374	1690	2900	331	417	49	509	32	434
30	44	552	196	347	---	1900	318	320	45	270	38	342
31	42	---	180	322	---	1400	---	255	---	181	33	---
TOTAL	1373	8962	34034	10875	33077	46791	20919	32157	2728	4717	3307	6049
MEAN	44.3	299	1098	351	1141	1509	697	1037	90.9	152	107	202
MAX	118	1490	8560	805	5680	4000	1600	6900	219	509	303	1030
MIN	15	37	180	160	196	600	318	218	45	34	32	20
CFSM	.11	.72	2.65	.85	2.76	3.64	1.68	2.50	.22	.37	.26	.49
IN.	.12	.81	3.06	.98	2.97	4.20	1.88	2.89	.25	.42	.30	.54
AC-FT	2720	17780	67510	21570	65610	92810	41490	63780	5410	9360	6560	12000

CAL YR 1983	TOTAL	260845	MEAN	715	MAX	15500	MIN	15	CFSM	1.73	IN.	23.44	AC-FT 517400
WTR YR 1984	TOTAL	204989	MEAN	560	MAX	8560	MIN	15	CFSM	1.35	IN.	18.42	AC-FT 406600

BEST COPY AVAILABLE

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950-52, April 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1949 to September 1952.
WATER TEMPERATURES: October 1949 to September 1952.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)
OCT, 1983											
04...	0930	9	9827	9827	--	16	81	7.2	25.0	23.0	3.2
NOV											
01...	0900	9	9827	9827	--	41	93	7.3	21.0	17.0	1.8
21...	0900	9	9827	9827	--	528	--	7.0	19.0	13.0	25
JAN, 1984											
03...	0900	9	9827	9827	--	163	134	6.8	.0	.0	3.0
31...	0910	9	9827	9827	--	322	52	7.1	7.0	4.0	6.0
FEB											
28...	0915	9	9827	9827	--	2950	37	6.4	5.0	7.0	30
APR											
03...	0855	9	9827	9827	1000	--	39	6.6	11.0	12.0	8.0
MAY											
01...	0920	9	9827	9827	--	301	46	6.9	24.0	19.0	3.1
29...	0922	9	9827	9827	--	461	44	6.9	21.0	21.0	4.8
JUL											
10...	0950	9	9827	9827	--	52	61	7.1	38.0	30.0	3.0
12...	1520	9	80513	80010	--	124	71	7.0	--	27.0	--
AUG											
08...	0915	9	9827	9827	--	106	50	6.6	25.0	21.0	20
SEP											
04...	0900	9	9827	9827	--	26	66	7.2	26.0	25.0	3.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
OCT, 1983											
04...	0930	8.1	--	6	--	8	--	--	--	--	--
NOV											
01...	0900	9.2	--	5	1.1	20	--	--	--	--	--
21...	0900	9.2	--	14	2.6	1000	--	--	--	--	--
JAN, 1984											
03...	0900	14.1	--	2	.6	8	--	--	--	--	--
31...	0910	12.6	--	5	.9	12	--	--	--	--	--
FEB											
28...	0915	11.8	--	9	1.6	1000	--	--	--	--	--
APR											
03...	0855	10.9	--	3	1.2	140	--	--	--	--	--
MAY											
01...	0920	9.3	--	3	1.5	<10	--	--	--	--	--
29...	0922	8.2	--	5	1.3	140	--	--	--	--	--
JUL											
10...	0950	--	--	--	--	44	--	--	--	--	--
12...	1520	7.2	763	--	--	--	23	6	6	6.5	1.7
AUG											
08...	0915	6.5	--	11	1.4	56	--	--	--	--	--
SEP											
04...	0900	7.4	--	4	1.9	20	--	--	--	--	--

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
OCT, 1983											
04...	0930	--	--	--	--	<1.0	4.0	--	--	.06	--
NOV											
01...	0900	--	--	--	--	3.0	5.0	--	--	.09	--
21...	0900	--	--	--	--	4.0	5.5	--	--	.08	--
JAN, 1984											
03...	0900	--	--	--	--	--	4.5	--	--	.07	--
31...	0910	--	--	--	--	1.0	5.0	--	--	.06	--
FEB											
28...	0915	--	--	--	--	5.0	3.5	--	--	.07	--
APR											
03...	0855	--	--	--	--	3.0	1.5	--	--	.03	--
MAY											
01...	0920	--	--	--	--	3.0	2.0	--	--	.05	--
29...	0922	--	--	--	--	6.0	2.0	--	--	.06	--
JUL											
10...	0950	--	--	--	--	4.0	5.5	--	--	.07	--
12...	1520	2.0	15	.2	1.2	10	2.6	<.10	5.6	.07	40
AUG											
08...	0915	--	--	--	--	<1.0	5.0	--	--	.07	--
SEP											
04...	0900	--	--	--	--	3.0	5.5	--	--	.06	--

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1983											
04...	0930	2.0	6	.02	--	.030	--	<.10	--	--	.020
NOV											
01...	0900	7.1	1	.01	--	.010	--	<.10	--	--	.010
21...	0900	86	18	.29	--	--	--	.40	.69	3.1	.060
JAN, 1984											
03...	0900	23	1	.43	--	.020	--	<.10	--	--	--
31...	0910	36	1	.23	--	.010	1.7	1.7	1.9	8.5	.010
FEB											
28...	0915	390	25	.38	--	.090	.71	.80	1.2	5.2	.080
APR											
03...	0855	59	6	.34	--	.020	--	<.10	--	--	.040
MAY											
01...	0920	32	4	<.01	--	.020	--	--	--	--	.020
29...	0922	57	5	.16	--	.080	1.0	1.1	1.3	5.6	.040
JUL											
10...	0950	6.9	<1	.03	--	.010	--	<.10	--	--	--
12...	1520	16	--	--	.26	--	--	--	--	--	--
AUG											
08...	0915	14	6	.36	--	.040	.26	.30	.66	2.9	.070
SEP											
04...	0900	3.1	<1	--	--	<.010	--	.20	--	--	.020

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT, 1983										
04...	0930	<.010	--	--	--	--	--	--	1	<1
NOV										
01...	0900	<.010	--	--	<5	--	--	--	0	2
21...	0900	.010	--	--	--	--	--	--	0	<1
JAN, 1984										
03...	0900	.010	--	--	--	--	--	--	0	<1
31...	0910	<.010	--	--	<5	--	--	--	--	<1
FEB										
28...	0915	.060	--	--	--	--	--	--	0	<1
APR										
03...	0855	.010	--	--	<5	--	--	--	0	<1
MAY										
01...	0920	.010	--	--	--	--	--	--	0	<1
29...	0922	.020	--	--	--	--	--	--	0	<1
JUL										
10...	0950	<.010	--	--	--	--	--	--	0	<1
12...	1520	--	70	<1	1	<100	<10	<20	1	10
AUG										
08...	0915	.030	--	--	<5	--	--	--	0	2
SEP										
04...	0900	.010	--	--	--	--	--	--	0	<1

DATE	TIME	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)
OCT, 1983										
04...	0930	--	--	--	--	<1	--	--	--	--
NOV										
01...	0900	--	<10	--	--	<1	--	--	--	--
21...	0900	--	<10	--	--	1	--	--	--	--
JAN, 1984										
03...	0900	--	<10	--	--	<1	--	--	--	--
31...	0910	--	<10	--	--	<1	--	--	--	--
FEB										
28...	0915	--	13	--	--	1	--	--	--	--
APR										
03...	0855	--	13	--	--	<1	--	--	--	--
MAY										
01...	0920	--	<10	--	--	<1	--	--	--	--
29...	0922	--	<10	--	--	<1	--	--	--	--
JUL										
10...	0950	--	<10	--	--	<1	--	--	--	--
12...	1520	2	6	300	120	1	<10	40	<.1	<1
AUG										
08...	0915	--	<10	--	--	<1	--	--	--	--
SEP										
04...	0900	--	<10	--	--	<1	--	--	--	--

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)
NOV, 1983										
01...	0900	--	<5	--	--	0	--	--	--	--
21...	0900	--	--	--	--	0	--	--	--	--
JAN, 1984										
03...	0900	--	--	--	--	0	--	--	--	--
31...	0910	--	<5	--	--	--	--	--	--	--
FEB										
28...	0915	--	--	--	--	80	--	--	--	--
APR										
03...	0855	--	<5	--	--	0	--	--	--	--
MAY										
01...	0920	--	--	--	--	0	--	--	--	--
29...	0922	--	--	--	--	10	--	--	--	--
JUL										
10...	0950	--	--	--	--	20	--	--	--	--
12...	1520	<1	<1	<1	90	10	.0	2.6	--	--
AUG										
08...	0915	--	--	--	--	130	--	--	.000	.000
SEP										
04...	0900	--	--	--	--	0	--	--	--	--

DATE	TIME	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL, 1984										
12...	1520	--	--	--	--	--	--	7	2.3	49
AUG, 1984										
08...	0915	.000	.000	.000	.00	<.01	.0	--	--	--

07358501 OUACHITA RIVER AT CARPENTER DAM, NEAR HOT SPRINGS, AR

LOCATION.--Lat 34°26'36", long 93°01'29", in sec.27, T.3 S., R.19 W., Garland County, Hydrologic Unit 08040101, at dam, 1.5 mi downstream from Hot Springs Creek, and 4.5 mi southeast of Hot Springs.

DRAINAGE AREA.--1,459 mi^2.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT, 1983										
04...	1530	9	9827	9827	3560	6.4	27.0	19.0	2.8	4.0
NOV										
01...	1525	9	9827	9827	.00	6.5	21.0	20.0	2.4	4.4
21...	1545	9	9827	9827	.00	6.7	25.0	16.0	3.0	9.3
JAN, 1984										
03...	1430	9	9827	9827	.00	6.9	15.0	7.0	3.0	11.9
31...	1445	9	9827	9827	3220	7.1	20.0	7.0	2.0	12.3
FEB										
28...	1515	9	9827	9827	2710	6.9	18.0	9.0	4.0	11.5
APR										
03...	1500	9	9827	9827	9320	7.0	27.0	12.0	5.5	10.6
MAY										
01...	1530	9	9827	9827	4070	6.9	30.0	15.0	2.4	10.1
29...	1530	9	9827	9827	2540	6.8	25.0	16.0	4.0	9.6
JUL										
10...	1620	9	9827	9827	3390	6.7	35.0	17.0	2.0	--
AUG										
07...	1545	9	9827	9827	3730	6.6	35.0	19.0	2.0	3.9
SEP										
04...	1530	9	9827	9827	3390	7.1	30.0	25.0	4.5	8.5

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
04...	1530	--	1400	<1.0	3.0	36	.05	3	.10
NOV									
01...	1525	2.0	<4	3.0	5.5	52	.07	2	.29
21...	1545	1.7	16	2.0	4.0	45	.06	4	.05
JAN, 1984									
03...	1430	.8	<4	--	4.0	46	.06	1	.15
31...	1445	.7	<4	1.0	4.0	37	.05	2	.13
FEB									
28...	1515	1.6	4	4.0	3.0	43	.06	6	.13
APR									
03...	1500	1.1	40	4.0	1.5	26	.04	5	.13
MAY									
01...	1530	.6	10	4.0	2.5	45	.06	3	.11
29...	1530	3.2	10	5.0	2.0	47	.06	12	.14
JUL									
10...	1620	--	44	5.0	5.5	40	.05	<1	.14
AUG									
07...	1545	1.1	24	6.0	4.0	39	.05	<1	.15
SEP									
04...	1530	4.7	48	7.0	6.5	49	.07	5	--

07358501 OUACHITA RIVER AT CARPENTER DAM, NEAR HOT SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
04...	1530	.080	.010	<.010	0	<1	--	<1	--
NOV									
01...	1525	.280	.230	.200	0	<1	<10	<1	10
21...	1545	--	.010	<.010	0	<1	<10	<1	0
JAN, 1984									
03...	1430	.040	--	<.010	0	<1	<10	<1	10
31...	1445	<.010	.010	<.010	--	<1	11	<1	--
FEB									
28...	1515	.010	.030	.030	--	<1	14	1	--
APR									
03...	1500	.060	.040	.010	0	<1	16	<1	0
MAY									
01...	1530	.050	.020	.010	0	<1	<10	<1	0
29...	1530	.090	.050	.010	0	<1	<10	9	20
JUL									
10...	1620	.030	--	<.010	0	<1	<10	<1	0
AUG									
07...	1545	<.010	<.010	<.010	0	<1	<10	<1	30
SEP									
04...	1530	.010	.050	<.010	0	<1	<10	<1	30

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
SEP, 1984									
04...	1530	.000	.000	.000	.000	.000	.00	<.01	.0

07359500 OUACHITA RIVER NEAR MALVERN, AR

LOCATION.--Lat 34°23'10", long 92°50'20", in NW 1/4 sec.16, T.4 S., R.17 W., Hot Spring County, Hydrologic Unit 08040102, near right bank on downstream side of bridge on State Highway 84, 2.0 mi northwest of Malvern, 5.8 mi downstream from Remmel Dam, and at mile 450.1.

DRAINAGE AREA.--1,585 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1903 to April 1905, June 1922 to September 1925 (fragmentary), October 1925 to April 1927, January 1928 to current year. Published as "at Remmel Dam, near Malvern" January 1925 to March 1937.

REVISED RECORDS.--WSP 587: 1923. WSP 857: 1923(M). WSP 977: 1942. WSP 1391: 1903-4. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 228.05 ft National Geodetic Vertical Datum of 1929. March 1903 to April 1905, nonrecording gage at present site at datum 2.0 ft higher. June 1922 to September 1924, nonrecording gage at present site and datum. January 1925 to March 1937, water-stage recorder at Remmel Dam, 5.8 mi upstream at datum 20.11 ft higher.

REMARKS.--Records good. Flow regulated since 1925 by Lake Catherine, 5.8 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity, 190,100 acre-ft, and since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft.

AVERAGE DISCHARGE.--57 years (1925-26, 1928-84), 2,376 ft^3/s, 1,721,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 140,000 ft^3/s May 15, 1923, gage height, 30.3 ft; minimum, 34 ft^3/s May 15, 1977, gage height, 0.33 ft; minimum daily observed, 40 ft^3/s Dec. 18-20, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,300 ft^3/s May 2, gage height, 13.15 ft; minimum, 50 ft^3/s Nov. 7, 11, gage height, 0.54 ft; minimum daily, 375 ft^3/s Nov. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	610	384	3240	3350	2310	2950	6830	3110	1570	452	461	466
2	415	375	4290	2510	2320	1470	7060	6100	1420	768	1180	439
3	1270	555	13300	1850	2320	2280	8520	12700	1600	456	2370	473
4	2010	686	9100	2130	2320	2060	7260	7690	1880	475	426	450
5	1300	439	5280	2310	2300	3580	4090	6800	2360	506	460	444
6	955	1120	2700	2340	2320	2380	5820	5180	2870	509	468	432
7	400	379	3280	2680	2340	1660	6870	6840	2270	569	516	456
8	465	490	3000	2540	2330	1350	7330	6080	1730	417	519	462
9	440	478	3380	1460	2330	1680	4940	5960	2440	600	448	628
10	605	589	3740	2370	2330	2660	3480	6130	2110	449	2710	1080
11	580	402	4530	2560	945	2270	3420	2480	1950	514	1060	792
12	815	405	3460	2520	7010	3080	3030	2790	3060	801	464	1200
13	425	425	4000	2130	4780	3440	3400	2180	2450	482	684	701
14	930	819	4210	2230	2370	3410	2920	3690	2420	658	566	511
15	410	414	4030	1390	2630	3410	1750	3260	3200	433	567	473
16	510	1630	3860	531	2840	3450	2690	3340	2630	534	435	438
17	1710	736	2910	1350	2750	3430	3010	2360	2320	594	452	443
18	1030	405	2840	1780	1830	3410	3060	3060	2130	498	449	586
19	677	1400	3380	1580	819	3410	3320	1730	2410	484	435	554
20	417	459	3380	2090	2200	3390	3360	1280	2830	581	459	464
21	519	651	2620	2300	2340	3380	2690	1820	2830	531	456	445
22	401	696	3390	1460	1830	3350	2890	2350	3150	483	450	453
23	781	2670	3380	1370	2120	3380	2940	3170	3020	770	465	448
24	1720	1280	3390	1610	820	3410	3040	3080	3090	571	474	1770
25	1830	1510	4170	2360	2430	3400	2760	2530	2470	538	505	2470
26	2840	1240	3460	2330	2490	3390	3010	2340	2300	712	490	474
27	2810	3980	3410	2120	6230	8970	3250	1900	1730	472	450	540
28	2120	3300	2910	2280	3390	10900	3330	2820	453	514	791	485
29	2190	2620	3360	2300	2760	8510	2230	2180	457	471	606	462
30	2020	2610	2870	1760	---	8470	2750	397	469	526	557	583
31	594	---	3070	2280	---	7440	---	1770	---	503	470	---
TOTAL	33799	33147	123940	63871	75804	119370	121050	117117	65619	16871	20823	19622
MEAN	1090	1105	3998	2060	2614	3851	4035	3778	2187	544	672	654
MAX	2840	3980	13300	3350	7010	10900	8520	12700	3200	801	2710	2470
MIN	400	375	2620	531	819	1350	1750	397	453	417	426	432
AC-FT	67040	65750	245800	126700	150400	236800	240100	232300	130200	33460	41300	38920

CAL YR 1983	TOTAL	1010606	MEAN	2769	MAX	16200	MIN	300	AC-FT 2005000
WTR YR 1984	TOTAL	811033	MEAN	2216	MAX	13300	MIN	375	AC-FT 1609000

07359500 OUACHITA RIVER NEAR MALVERN, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-50, October 1970 to current year.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1983											
04...	1440	9	9827	9827	3380	6.6	28.0	23.0	2.6	7.6	13
NOV											
01...	1450	9	9827	9827	64	6.7	23.0	20.0	2.0	8.9	11
21...	1510	9	9827	9827	470	6.9	25.0	16.0	2.0	9.8	13
JAN, 1984											
03...	1400	9	9827	9827	2850	6.6	15.0	8.0	4.0	12.3	9
31...	1415	9	9827	9827	2280	7.3	20.0	5.0	3.0	13.6	9
FEB											
28...	1440	9	9827	9827	3230	7.0	16.0	9.0	5.0	12.3	5
APR											
03...	1425	9	9827	9827	7550	6.8	27.0	19.0	6.4	10.7	6
MAY											
01...	1505	9	9827	9827	3060	7.2	30.0	16.0	3.8	11.2	11
29...	1500	9	9827	9827	2440	7.2	25.0	18.0	30	10.8	10
JUL											
10...	1600	9	9827	9827	64	6.9	35.0	30.0	2.0	--	--
AUG											
07...	1520	9	9827	9827	67	6.7	35.0	27.0	3.0	8.2	13
SEP											
04...	1500	9	9827	9827	58	7.0	33.0	20.0	3.0	8.4	10

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1983											
04...	1440	--	20	<1.0	4.0	37	.05	7	.09	.040	.56
NOV											
01...	1450	2.3	<4	3.0	4.5	49	.07	1	.12	.040	.56
21...	1510	1.6	4	4.0	5.0	49	.07	1	.15	--	--
JAN, 1984											
03...	1400	1.2	24	--	4.5	51	.07	3	.20	.060	--
31...	1415	1.6	<4	7.0	6.0	47	.06	4	.17	.050	2.5
FEB											
28...	1440	1.7	12	8.0	6.0	50	.07	8	.20	.110	.59
APR											
03...	1425	1.5	56	5.0	2.0	31	.04	6	.15	.060	.24
MAY											
01...	1505	2.8	<10	7.0	3.5	55	.07	6	.13	.050	--
29...	1500	2.6	20	8.0	3.5	49	.07	6	.10	.070	1.0
JUL											
10...	1600	--	24	7.0	5.5	45	.06	1	.10	.010	--
AUG											
07...	1520	3.7	4	2.0	5.5	46	.06	2	.16	.010	.39
SEP											
04...	1500	4.4	8	6.0	6.0	44	.06	3	--	<.010	--

07359500 OUACHITA RIVER NEAR MALVERN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1983											
04...	1440	.60	.69	3.1	.010	.010	--	59	<1	--	<1
NOV											
01...	1450	.60	.72	3.2	.020	.040	<5	0	3	<10	1
21...	1510	<.10	--	--	.030	.010	--	0	<1	<10	1
JAN, 1984											
03...	1400	<.10	--	--	--	.010	--	0	1	<10	<1
31...	1415	2.5	2.7	12	.020	.010	<5	--	<1	10	2
FEB											
28...	1440	.70	.90	4.0	.070	.060	--	0	<1	<10	3
APR											
03...	1425	.30	.45	2.0	.040	.020	<5	0	<1	10	<1
MAY											
01...	1505	--	--	--	.040	.020	--	0	<1	<10	<1
29...	1500	1.1	1.2	5.3	.040	.030	--	0	<1	<10	1
JUL											
10...	1600	<.10	--	--	--	.010	--	0	<1	<10	2
AUG											
07...	1520	.40	.56	2.5	.020	<.010	<5	0	3	<10	2
SEP											
04...	1500	.40	--	--	.040	.010	--	0	<1	<10	1

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983											
01...	1450	<5	30	--	--	--	--	--	--	--	--
21...	1510	--	30	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984											
03...	1400	--	60	.000	.000	.000	.000	.000	.00	.00	.0
31...	1415	<5	--	--	--	--	--	--	--	--	--
FEB											
28...	1440	--	230	--	--	--	--	--	--	--	--
APR											
03...	1425	<5	60	.000	.000	.000	.000	.000	.00	.00	.0
MAY											
01...	1505	--	70	--	--	--	--	--	--	--	--
29...	1500	--	70	--	--	--	--	--	--	--	--
JUL											
10...	1600	--	50	--	--	--	--	--	--	--	--
AUG											
07...	1520	<5	280	--	--	--	--	--	--	--	--
SEP											
04...	1500	--	--	.000	.000	.000	.000	.000	.00	<.01	.0

07359580 OUACHITA RIVER NEAR DONALDSON, AR

LOCATION.--Lat 34°14'16", long 92°57'32", in NE 1/4 sec.5, T.5 S., R.18 W., Hot Spring County, Hydrologic Unit 08040102, at bridge on U.S. Highway 67, 2.0 mi west of Donaldson, 3.6 mi downstream from Black Branch.

DRAINAGE AREA.--1,732 mi^2.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT, 1983										
04...	1400	9	9827	9827	1250	6.7	27.0	23.0	4.6	7.4
NOV										
01...	1420	9	9827	9827	482	6.8	23.0	20.0	3.8	9.1
21...	1445	9	9827	9827	572	6.7	25.0	15.0	7.0	9.1
JAN, 1984										
03...	1330	9	9827	9827	2460	6.8	12.0	6.0	4.0	12.3
31...	1340	9	9827	9827	2480	6.9	15.0	6.0	3.0	12.9
APR										
03...	1400	9	9827	9827	11100	6.7	25.0	13.0	20	11.2
MAY										
01...	1435	9	9827	9827	3020	6.8	31.0	18.0	5.0	9.8
29...	1430	9	9827	9827	2380	6.9	25.0	19.0	5.5	9.3
JUL										
10...	1510	9	9827	9827	414	6.8	35.0	31.0	3.0	--
AUG										
07...	1450	9	9827	9827	412	6.9	32.0	28.0	5.0	7.3
SEP										
04...	1430	9	9827	9827	378	7.1	33.0	26.0	4.5	7.7

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
04...	1400	--	160	<1.0	3.5	41	.06	8	.11
NOV									
01...	1420	1.5	16	2.0	5.0	49	.07	5	.11
21...	1445	2.5	180	5.0	5.0	55	.07	7	.15
JAN, 1984									
03...	1330	1.1	26	--	4.0	51	.07	4	.20
31...	1340	1.3	4	5.0	6.5	51	.07	6	.19
APR									
03...	1400	1.8	310	5.0	1.5	36	.05	16	.14
MAY									
01...	1435	2.5	110	6.0	3.5	47	.06	8	.13
29...	1430	2.5	20	7.0	5.5	53	.07	8	.10
JUL									
10...	1510	--	44	23	--	--	--	<1	.27
AUG									
07...	1450	1.7	84	6.0	6.0	48	.07	5	.19
SEP									
04...	1430	2.7	28	6.0	7.0	46	.06	5	--

07359580 OUACHITA RIVER NEAR DONALDSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
04...	1400	.030	.020	<.010	0	<1	--	<1	--
NOV									
01...	1420	.010	.020	<.010	0	1	<10	3	0
21...	1445	--	.040	.010	0	<1	<10	<1	10
JAN, 1984									
03...	1330	.050	--	<.010	0	1	<10	<1	0
31...	1340	<.010	.020	<.010	--	1	12	1	--
APR									
03...	1400	.060	.070	.010	0	<1	16	<1	30
MAY									
01...	1435	.020	.040	.010	0	<1	<10	<1	0
29...	1430	.070	.040	.010	0	<1	<10	<1	0
JUL									
10...	1510	2.00	--	<.010	--	--	--	--	--
AUG									
07...	1450	<.010	.030	.020	0	<1	<10	1	50
SEP									
04...	1430	<.010	.050	.010	0	<1	<10	<1	70

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
SEP, 1984									
04...	1430	.000	.000	.000	.000	.000	.00	<.01	.0

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, AR

LOCATION.--Lat 34°22'00", long 93°46'08", in NE 1/4 SE 1/4 sec.27, T.4 S., R.26 W., Montgomery County, Hydrologic Unit 08040102, at bridge on county road at Fancy Hill, and 600 ft above confluence with the Caddo River.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
NOV, 1983									
01...	1005	9	9827	9827	6.5	21.0	20.0	1.4	9.9
21...	1025	9	9827	9827	6.5	19.0	13.0	5.0	10.1
JAN, 1984									
31...	1005	9	9827	9827	6.4	10.0	5.0	3.0	12.8
FEB									
28...	1015	9	9827	9827	5.5	7.0	7.0	6.0	11.9
MAY									
01...	1015	9	9827	9827	6.9	30.0	16.0	2.2	9.9
29...	1020	9	9827	9827	6.7	21.0	18.0	2.7	9.7
JUL									
10...	1100	9	9827	9827	6.9	38.0	28.0	2.0	--
AUG									
07...	1030	9	9827	9827	6.4	27.0	23.0	3.0	8.0
SEP									
04...	1000	9	9827	9827	7.0	27.0	21.0	1.0	8.6

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
01...	1005	.9	12	12	3.0	51	.07	1	.06
21...	1025	.9	50	30	4.0	74	.10	1	.12
JAN, 1984									
31...	1005	.5	<4	22	3.5	52	.07	3	.07
FEB									
28...	1015	.9	<4	21	3.0	50	.07	5	.14
MAY									
01...	1015	.6	120	41	2.0	81	.11	1	.03
29...	1020	.9	60	39	1.5	74	.10	<1	.06
JUL									
10...	1100	--	68	38	5.5	76	.10	<1	.06
AUG									
07...	1030	1.5	4	58	4.0	102	.14	<1	.10
SEP									
04...	1000	1.1	36	31	4.5	68	.09	<1	--

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV, 1983									
01...	1005	.050	.010	.010	0	<1	<10	<1	10
21...	1025	--	.020	.010	0	<1	11	<1	50
JAN, 1984									
31...	1005	<.010	<.010	<.010	--	<1	17	1	--
FEB									
28...	1015	.010	.010	.030	3	<1	39	<1	110
MAY									
01...	1015	.040	.010	<.010	0	<1	<10	<1	20
29...	1020	.070	.020	.010	0	<1	<10	<1	40
JUL									
10...	1100	<.010	.010	<.010	0	<1	<10	1	0
AUG									
07...	1030	<.010	<.010	.010	2	<1	13	<1	80
SEP									
04...	1000	<.010	.010	.010	0	1	<10	<1	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
AUG, 1984									
07...	1030	.000	.000	.000	.000	.000	.00	<.01	.0

07359770 CADDO RIVER NEAR AMITY, AR

LOCATION.--Lat 34°17'05", long 93°24'56", in NW 1/4 SE 1/4 sec.24, T.5 S., R.23 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi northeast of Amity.

DRAINAGE AREA.--291 mi^2.

PERIOD OF RECORD.--August 1972 to current year. August 1973 to August 1974 in reports of Corps of Engineers, Vicksburg, Miss.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
04...	1245	9	9827	9827	50	7.4	27.0	24.0	2.8	7.7
NOV										
01...	1320	9	9827	9827	--	7.4	23.0	18.0	5.5	9.6
21...	1345	9	9827	9827	--	7.1	25.0	14.0	15	9.9
JAN, 1984										
03...	1220	9	9827	9827	200	7.1	11.0	3.0	5.0	14.1
31...	1245	9	9827	9827	260	7.6	15.0	7.0	4.0	13.7
FEB										
28...	1340	9	9827	9827	1600	6.7	15.0	9.0	20	11.9
APR										
03...	1240	9	9827	9827	1040	7.0	25.0	15.0	20	10.3
MAY										
01...	1345	9	9827	9827	200	7.6	30.0	19.0	3.0	10.7
29...	1330	9	9827	9827	430	7.2	23.0	21.0	20	9.0
JUL										
10...	1405	9	9827	9827	1360	7.6	42.0	31.0	3.0	--
AUG										
07...	1400	9	9827	9827	100	7.4	34.0	28.0	4.0	8.1
SEP										
04...	1330	9	9827	9827	60	7.6	33.0	26.0	6.0	8.5

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
04...	1245	--	8	3.0	3.5	69	.09	5	.02
NOV									
01...	1320	2.3	24	7.0	3.5	77	.10	6	.01
21...	1345	2.4	470	8.0	4.0	80	.11	10	.32
JAN, 1984									
03...	1220	.9	<4	--	4.5	73	.10	3	.32
31...	1245	1.2	<4	4.0	4.0	59	.08	4	.07
FEB									
28...	1340	1.3	120	6.0	3.5	56	.08	12	.34
APR									
03...	1240	1.3	340	5.0	2.0	45	.06	10	.29
MAY									
01...	1345	1.4	<10	7.0	2.5	64	.09	5	.05
29...	1330	1.9	330	8.0	2.0	67	.09	16	.19
JUL									
10...	1405	--	14	9.0	5.0	75	.10	<1	.03
AUG									
07...	1400	1.8	12	11	4.5	76	.10	3	.07
SEP									
04...	1330	1.9	12	8.0	5.0	120	.16	9	--

07359770 CADDO RIVER NEAR AMITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
04...	1245	.030	.020	<.010	0	<1	--	<1	--
NOV									
01...	1320	<.010	.010	.010	0	<1	<10	2	130
21...	1345	--	.040	.010	0	1	<10	1	40
JAN, 1984									
03...	1220	.020	--	<.010	0	1	12	<1	710
31...	1245	.020	.010	<.010	--	1	<10	2	--
FEB									
28...	1340	.040	.030	.050	0	<1	<10	2	140
APR									
03...	1240	.050	.070	.020	0	<1	21	1	80
MAY									
01...	1345	.030	.020	.010	0	<1	<10	<1	70
29...	1330	.070	.060	.020	0	<1	<10	1	70
JUL									
10...	1405	<.010	--	<.010	0	<1	<10	1	40
AUG									
07...	1400	<.010	.010	.010	0	<1	<10	<1	70
SEP									
04...	1330	<.010	.030	.010	0	<1	<10	1	120

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, AR

LOCATION.--Lat 34°18'41", long 93°53'58", in SW 1/4 sec.16, T.5 S., R.27 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 84, 1.6 mi downstream from White Oak Creek, and 3.3 mi west of Langley.

DRAINAGE AREA.--68.4 mi^2.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
04...	1145	9	9827	9827	108	7.1	27.0	22.0	2.0	8.4
NOV										
01...	1120	9	9827	9827	18	6.9	21.0	17.0	1.4	10.2
21...	1130	9	9827	9827	37	6.6	29.0	13.0	6.0	10.6
JAN, 1984										
03...	1100	9	9827	9827	8.6	6.9	11.0	2.0	2.0	14.3
31...	1100	9	9827	9827	13	7.0	10.0	5.0	2.0	13.3
FEB										
28...	1138	9	9827	9827	96	6.3	9.0	7.0	4.6	12.5
MAR										
31...	1100	9	9827	9827	13	--	--	--	--	--
APR										
03...	1045	9	9827	9827	290	6.6	15.0	13.0	3.8	10.8
MAY										
01...	1145	9	9827	9827	57	6.7	30.0	18.0	1.6	9.7
29...	1128	9	9827	9827	640	6.8	22.0	18.0	3.5	9.8
JUL										
10...	1145	9	9827	9827	16	7.2	40.0	28.0	2.0	--
AUG										
07...	1200	9	9827	9827	23	7.1	29.0	27.0	20	8.2
SEP										
04...	1115	9	9827	9827	13	7.3	30.0	23.0	2.0	8.1

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
04...	1145	--	<4	<1.0	4.0	41	.06	3	.02
NOV									
01...	1120	1.3	76	2.0	3.0	42	.06	2	.06
21...	1130	1.9	76	1.0	4.5	44	.06	1	.09
JAN, 1984									
03...	1100	.3	<4	--	3.5	40	.05	<1	.06
31...	1100	.7	<4	1.0	3.5	33	.04	<1	.05
FEB									
28...	1138	.9	8	4.0	3.5	34	.05	2	.12
APR									
03...	1045	.7	8	3.0	1.0	20	.03	2	.09
MAY									
01...	1145	.8	<10	3.0	1.5	37	.05	1	.02
29...	1128	1.3	<10	5.0	2.0	41	.06	2	.05
JUL									
10...	1145	--	12	4.0	5.0	38	.05	<1	.04
AUG									
07...	1200	1.1	60	<1.0	4.5	40	.05	<1	.07
SEP									
04...	1115	[illegible].1	230	4.0	5.0	45	.06	<1	--

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
04...	1145	.030	<.010	<.010	0	<1	--	<1	--
NOV									
01...	1120	.020	<.010	<.010	0	<1	<10	<1	10
21...	1130	--	<.010	.010	0	<1	<10	<1	0
JAN, 1984									
03...	1100	.040	--	<.010	0	<1	<10	<1	0
31...	1100	<.010	<.010	<.010	--	<1	<10	<1	--
FEB									
28...	1138	.010	.020	.030	0	<1	<10	<1	0
APR									
03...	1045	.030	.030	.030	0	<1	26	2	0
MAY									
01...	1145	.020	.010	<.010	0	<1	<10	<1	0
29...	1128	.070	.030	.010	0	1	<10	<1	0
JUL									
10...	1145	<.010	--	<.010	0	<1	<10	<1	0
AUG									
07...	1200	<.010	<.010	.010	0	<1	<10	<1	50
SEP									
04...	1115	.020	.010	<.010	0	<1	<10	<1	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
07...	1200	.000	.000	.000	.000	.000	.00	<.01	.0

07361022 PRAIRIE CREEK AT MURPHREESBORO, AR

LOCATION.--Lat 34°04'02 long 93°40'58", in NE 1/4 SE 1/4 sec.8, T.8 S., R.25 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 27, 0.3 mi east of City Park and 0.5 mi upstream from confluence with Spring Creek.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
NOV, 1983									
01...	1215	9	9827	9827	6.3	23.0	18.0	5.2	6.4
21...	1240	9	9827	9827	6.3	25.0	15.0	2.0	8.5
JAN, 1984									
31...	1145	9	9827	9827	6.7	15.0	6.0	5.0	13.0
FEB									
28...	1235	9	9827	9827	6.1	15.0	9.0	15	11.8
APR									
03...	1130	9	9827	9827	6.4	20.0	15.0	25	10.1
MAY									
01...	1245	9	9827	9827	6.3	29.0	19.0	4.2	9.0
29...	1225	9	9827	9827	6.4	23.0	19.0	20	8.8
JUL									
10...	1245	9	9827	9827	6.3	42.0	28.0	3.0	--
AUG									
07...	1255	9	9827	9827	6.5	32.0	26.0	3.5	7.1
SEP									
04...	1230	9	9827	9827	6.6	31.0	24.0	8.0	7.1

DATE	TIME	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
NOV, 1983									
01...	1215	12	2.5	170	2.0	6.0	51	.07	7
21...	1240	12	2.0	130	3.0	11	44	.06	1
JAN, 1984									
31...	1145	7	.9	<4	2.0	6.5	35	.05	2
FEB									
28...	1235	8	1.5	68	5.0	5.0	47	.06	6
APR									
03...	1130	9	2.2	310	4.0	2.5	30	.04	13
MAY									
01...	1245	4	1.9	110	3.0	4.0	30	.04	4
29...	1225	13	1.4	1300	7.0	2.0	55	.07	5
JUL									
10...	1245	--	--	120	4.0	7.0	44	.06	<1
AUG									
07...	1255	7	2.0	380	2.0	7.0	41	.06	2
SEP									
04...	1230	10	1.4	68	4.0	8.5	44	.06	3

07361022 PRAIRIE CREEK AT MURPHREESBORO, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
NOV, 1983									
01...	1215	.16	.070	.03	.10	.26	1.2	.010	<.010
21...	1240	.08	--	--	.10	.18	.80	<.010	<.010
JAN, 1984									
31...	1145	.21	<.010	--	.50	.71	3.1	.010	<.010
FEB									
28...	1235	.38	.040	.56	.60	.98	4.3	.030	.040
APR									
03...	1130	.35	.040	--	<.10	--	--	.070	.020
MAY									
01...	1245	.42	<.010	--	--	--	--	.030	<.010
29...	1225	.17	.080	.92	1.0	1.2	5.2	.050	.020
JUL									
10...	1245	.40	.010	--	<.10	--	--	--	<.010
AUG									
07...	1255	.15	<.010	--	.20	.35	1.5	.010	<.010
SEP									
04...	1230	--	<.010	--	.10	--	--	.040	.010

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983								
01...	1215	<5	0	1	10	2	<5	110
21...	1240	--	0	<1	<10	<1	--	80
JAN, 1984								
31...	1145	<5	--	2	13	8	<5	--
FEB								
28...	1235	--	8	<1	<10	3	--	170
APR								
03...	1130	<5	0	<1	18	2	<5	240
MAY								
01...	1245	--	0	<1	<10	2	--	150
29...	1225	--	0	<1	<10	<1	--	150
JUL								
10...	1245	--	0	<1	<10	<1	--	--
AUG								
07...	1255	<5	0	<1	<10	5	<5	110
SEP								
04...	1230	--	0	<1	<10	<1	--	130

07361025 PRAIRIE CREEK NEAR MURPHREESBORO, AR

LOCATION.--Lat 34°02'34", long 93°41'02", in SE 1/4 NE 1/4 sec.20, T.8 S., R.25 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 301, 0.3 mi northwest of Crater of Diamonds State Park, and 1.0 mi above confluence with Little Missouri River.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
NOV, 1983											
01...	1235	9	9827	9827	6.9	23.0	18.0	3.4	5.4	15	4.0
21...	1255	9	9827	9827	6.7	27.0	13.0	5.0	6.9	18	4.2
JAN, 1984											
31...	1200	9	9827	9827	6.7	15.0	5.0	6.0	12.4	6	.9
FEB											
28...	1255	9	9827	9827	6.4	15.0	10.0	20	11.8	8	1.4
APR											
03...	1145	9	9827	9827	7.0	22.0	15.0	30	9.9	7	2.3
MAY											
01...	1300	9	9827	9827	6.7	29.0	19.0	5.4	7.7	3	4.3
29...	1240	9	9827	9827	6.5	23.0	19.0	25	8.7	12	1.6
JUL											
10...	1310	9	9827	9827	7.3	42.0	30.0	4.0	--	--	--
AUG											
07...	1315	9	9827	9827	7.3	32.0	27.0	9.5	7.9	25	5.6
SEP											
04...	1245	9	9827	9827	7.1	31.0	24.0	20	6.6	23	2.5

DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV, 1983											
01...	1235	16	6.0	12	101	.14	4	.70	.840	-.24	.60
21...	1255	88	6.0	11	76	.10	4	.43	--	--	.30
JAN, 1984											
31...	1200	4	3.0	6.5	45	.06	2	.26	<.010	--	5.4
FEB											
28...	1255	83	5.0	4.5	52	.07	10	.38	.040	.56	.60
APR											
03...	1145	230	5.0	3.5	43	.06	14	.29	.100	.50	.60
MAY											
01...	1300	90	5.0	4.0	45	.06	4	.38	.040	--	--
29...	1240	1100	7.0	2.0	52	.07	7	.17	.080	1.1	1.2
JUL											
10...	1310	60	6.0	8.0	74	.10	2	.01	<.010	--	<.10
AUG											
07...	1315	4	6.0	11	91	.12	10	.02	<.010	--	1.1
SEP											
04...	1245	190	7.0	7.5	62	.08	9	--	.120	.78	.90

07361025 PRAIRIE CREEK NEAR MURPHREESBORO, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983										
01...	1235	1.3	5.8	.810	.670	0	1	15	1	70
21...	1255	.73	3.2	.430	.250	0	<1	<10	<1	90
JAN, 1984										
31...	1200	5.7	25	.030	.010	--	1	<10	2	--
FEB										
28...	1255	.98	4.3	.040	.050	0	2	<10	4	200
APR										
03...	1145	.89	3.9	.120	.070	0	<1	19	<1	90
MAY										
01...	1300	--	--	.090	.060	0	<1	<10	2	70
29...	1240	1.4	6.1	.070	.030	--	13	<10	2	70
JUL										
10...	1310	--	--	--	.040	0	<1	<10	<1	10
AUG										
07...	1315	1.1	5.0	.720	.550	0	<1	<10	<1	70
SEP										
04...	1245	--	--	.550	.450	0	<1	<10	<1	90

07361500 ANTOINE RIVER AT ANTOINE, AR

LOCATION.--Lat 34°02'20", long 93°25'05", in NW 1/4 NW 1/4 sec.24, T.8 S., R.23 W., Pike County, Hydrologic Unit 08040103, near right bank on downstream side of bridge on State Highway 26 at Antoine, 1.6 mi downstream from Brushy Creek, 1.9 mi downstream from Suck Creek, and at mile 8.5.

DRAINAGE AREA.--178 mi^2.

PERIOD OF RECORD.--October 1954 to current year. Gage-height records collected in this vicinity since November 1950 (published as "Antoine Creek") are contained in reports of Corps of Engineers.

REVISED RECORDS.--WSP 1511: 1955(M). WRD Ark. 1973: 1972. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.33 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1954, at site 75 ft upstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--30 years, 273 ft^3/s, 20.83 in/yr, 197,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,500 ft^3/s May 2, 1958, gage height, 28.75 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1905 reached a stage of 29.7 ft, from information by State Highway and Transportation Department, discharge, 40,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage height (ft)
Mar. 27	2230	8,930	20.75
May 2	2200	*13,800	22.96

Minimum discharge, 2.6 ft^3/s July 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	12	170	140	136	473	469	56	242	4.0	21	41
2	8.1	3.4	150	130	128	368	467	3450	207	4.0	18	30
3	7.4	6.0	2000	122	138	296	790	7120	176	3.6	17	25
4	8.5	11	3000	116	144	385	494	1620	142	3.5	19	20
5	8.1	13	1500	118	118	887	389	1210	116	5.6	25	15
6	8.0	16	595	113	94	492	323	998	99	4.6	24	13
7	8.2	18	407	106	87	353	279	695	95	4.2	22	12
8	8.7	17	303	94	81	278	615	585	86	4.1	23	10
9	8.8	16	247	96	87	232	940	379	73	6.5	24	381
10	8.9	10	277	406	106	214	591	285	62	6.8	25	350
11	9.1	9.0	1210	371	104	207	468	234	52	5.7	92	171
12	15	8.0	633	298	2100	1670	381	199	43	5.2	83	102
13	15	7.2	448	259	1310	1210	307	168	36	5.0	51	66
14	16	6.6	437	227	786	731	262	138	31	3.7	37	48
15	16	6.0	303	204	546	525	236	112	27	3.1	34	55
16	16	5.8	257	193	541	677	219	92	23	2.8	28	52
17	19	5.6	239	178	391	984	199	80	21	7.3	24	43
18	20	5.2	229	162	324	792	179	71	18	94	20	32
19	42	20	217	144	291	608	186	66	16	35	17	25
20	37	200	199	122	241	441	188	82	14	18	125	20
21	31	180	238	103	215	342	159	212	12	12	48	17
22	25	150	333	101	198	275	144	174	9.9	12	36	18
23	24	200	260	164	181	241	114	229	8.5	21	30	26
24	21	220	240	355	152	526	97	258	9.5	21	59	66
25	22	200	230	273	124	371	86	184	7.1	20	40	50
26	21	180	220	246	549	296	77	146	6.2	18	26	35
27	20	400	200	227	2300	4420	71	124	5.7	30	20	29
28	22	330	190	208	1010	4490	64	2310	5.2	149	16	25
29	23	250	180	196	654	1380	58	747	4.6	56	15	21
30	23	200	170	178	---	865	53	400	4.1	35	50	18
31	23	---	150	150	---	617	---	291	---	26	46	---
TOTAL	542.4	2705.8	15232	5800	13136	25646	8905	22715	1651.8	626.7	1115	1816
MEAN	17.5	90.2	491	187	453	827	297	733	55.1	20.2	36.0	60.5
MAX	42	400	3000	406	2300	4490	940	7120	242	149	125	381
MIN	7.4	3.4	150	94	81	207	53	56	4.1	2.8	15	10
CFSM	.10	.51	2.76	1.05	2.54	4.65	1.67	4.12	.31	.11	.20	.34
IN.	.11	.57	3.18	1.21	2.75	5.36	1.86	4.75	.35	.13	.23	.38
AC-FT	1080	5370	30210	11500	26060	50870	17660	45060	3280	1240	2210	3600

CAL YR 1983 TOTAL 131016.65 MEAN 359 MAX 16400 MIN .95 CFSM 2.02 IN. 27.38 AC-FT 259900
WTR YR 1984 TOTAL 99891.7 MEAN 273 MAX 7120 MIN 2.8 CFSM 1.53 IN. 20.88 AC-FT 198100

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, AR

LOCATION.--Lat 33°52'32", long 93°18'16", in NE 1/4 sec.13, T.10 S., R.22 W., Nevada County, Hydrologic Unit 08040103, on downstream side of bridge on U.S. Highway 67, 1.5 mi northeast of Boughton, 5.9 mi downstream from Howard Creek, 10.2 mi downstream from Antoine River, and at mile 46.8.

DRAINAGE AREA.--1,068 mi^2.

PERIOD OF RECORD.--Water years 1948-55, October 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1947 to September 1955.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983 19...	0500	9	9827	9827	755	6.7	20.0	19.0	20	8.1
NOV 09...	0500	9	9827	9827	83	6.9	14.0	14.0	6.0	8.9
DEC 14...	0500	9	9827	9827	2670	6.6	5.0	8.0	25	10.1
JAN, 1984 18...	0500	9	9827	9827	660	7.0	2.0	2.0	--	12.9
FEB 15...	0530	9	9827	9827	2900	7.2	12.0	10.0	45	10.2
MAR 14...	0530	9	9827	9827	7180	6.6	10.0	11.0	55	9.7
APR 11...	0515	9	9827	9827	2750	7.1	15.0	15.0	30	8.9
MAY 16...	0500	9	9827	9827	2900	6.7	16.0	18.0	10	8.4
JUN 13...	0500	9	9827	9827	137	6.8	21.0	26.0	8.2	--
JUL 17...	0500	9	9827	9827	440	7.0	22.0	28.0	30	6.6
AUG 15...	0530	9	9827	9827	660	6.9	22.0	24.0	25	7.3
SEP 12...	0530	9	9827	9827	803	6.9	23.0	23.0	--	7.3

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983 19...	0500	1.3	--	4.0	4.0	37	.05	18	.12
NOV 09...	0500	1.2	32	1.0	4.0	48	.07	2	.09
DEC 14...	0500	1.6	120	7.0	5.0	50	.07	16	.24
JAN, 1984 18...	0500	1.5	16	12	7.0	70	.10	11	.32
FEB 15...	0530	1.4	440	10	5.5	76	.10	40	.26
MAR 14...	0530	1.8	540	9.0	4.0	89	.12	43	.18
APR 11...	0515	1.3	160	5.0	3.5	71	.10	24	.15
MAY 16...	0500	1.0	50	7.0	2.0	52	.07	12	.20
JUN 13...	0500	.7	20	7.0	4.5	67	.09	13	.17
JUL 17...	0500	1.0	260	8.0	4.0	45	.06	16	.23
AUG 15...	0530	1.0	1300	14	4.5	70	.10	18	--
SEP 12...	0530	1.5	210	30	5.0	113	.15	26	.22

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
19...	0500	--	.050	.010	0	<1	20	37	--
NOV									
09...	0500	.280	--	.060	0	2	--	31	50
DEC									
14...	0500	.050	.040	--	0	5	22	32	70
JAN, 1984									
18...	0500	--	.050	.030	0	2	47	--	--
FEB									
15...	0530	.060	.080	.040	0	2	30	27	110
MAR									
14...	0530	.030	.120	.060	0	--	23	18	70
APR									
11...	0515	.040	.120	.040	0	2	29	22	90
MAY									
16...	0500	.040	.030	<.010	0	2	19	27	100
JUN									
13...	0500	.070	.030	.020	0	2	--	--	--
JUL									
17...	0500	.050	.060	.040	0	1	31	--	--
AUG									
15...	0530	.040	.090	.050	0	15	33	27	100
SEP									
12...	0530	.060	.090	.060	0	2	31	36	80

07362000 OUACHITA RIVER AT CAMDEN, AR

LOCATION.--Lat 33°35'47", long 92°49'05", in SE 1/4 sec.14, T.13 S., R.17 W., Ouachita County, Hydrologic Unit 08040102, at bridge on U.S. Highway 79 at Camden, 3.4 mi downstream from Ecore Fabre Bayou, 6.2 mi upstream from Two Bayou Creek, and at mile 354.1.

DRAINAGE AREA.--5,357 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1960 and October 1965 to current year in reports of Geological Survey. October 1929 to date in reports of Corps of Engineers. Monthly discharge only October 1929 to September 1960 published in WSP 1311 and WSP 1731. Gage heights collected since 1885 in this vicinity are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 71.69 ft National Geodetic Vertical Datum of 1929. Aug. 8, 1928, to July 10, 1935, and July 11, 1935, to Jan. 4, 1945, nonrecording gage at present site and datum. Jan. 5, 1945, to Oct. 27, 1947, nonrecording gage at site 0.4 mi downstream at present datum. Aug. 10, 1928, to May 31, 1949, supplementary nonrecording gage, 4.5 mi upstream. Since Jan. 1, 1957, auxiliary water-stage recorder 3.2 mi downstream.

REMARKS.--Records good. Flow regulated since 1925 by Lake Catherine, 102 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity 190,100 acre-ft, since 1949 by Lake Greeson, capacity, 407,900 acre-ft, since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft, and since August 1969 by DeGray Lake, capacity, 881,900 acre-ft.

AVERAGE DISCHARGE.--56 years, 7,486 ft^3/s, 5,424,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243,000 ft^3/s Apr. 3, 1945, gage height, 44.82 ft; minimum, 125 ft^3/s Sept. 16, 24-26, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 64,600 ft^3/s May 7; maximum gage height, 35.43 ft May 8; minimum daily, 550 ft^3/s July 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1700	2390	8010	6490	5800	22400	26000	4600	4140	1400	1300	2460
2	1560	1420	7490	6490	5500	20200	27000	6060	2930	1400	850	1860
3	1460	1440	6790	6180	5240	16300	25000	13000	2560	1600	700	1490
4	1170	1310	19000	5830	4990	11400	24000	21000	2390	1600	1800	1320
5	1020	1140	23300	5570	4980	9560	24000	27000	2640	1300	2600	1140
6	1890	993	27700	4860	5010	13600	23000	34000	3240	2100	1900	958
7	1840	921	24000	6120	4900	17000	21000	46000	4800	2500	1600	923
8	1680	1110	20000	6100	4780	15800	19000	57400	4300	2600	1500	851
9	1620	1000	14800	6020	4640	14000	18000	47100	3720	2200	1700	853
10	1280	948	12300	6470	4580	12000	19000	35800	3320	1700	1400	1460
11	992	1260	13700	8660	4700	9500	19000	28100	3270	1300	4100	3190
12	1050	1400	18200	11200	5120	8700	17000	22000	3600	897	7900	3460
13	1250	1780	20700	11000	11900	11000	16000	16400	3200	700	6300	3020
14	1350	1540	20700	9760	20300	15000	14000	12900	3400	900	5400	3190
15	996	1210	19500	8360	22300	17000	12000	11000	3600	1200	4300	2550
16	1030	1160	18100	6860	21100	18000	10000	10500	3500	1300	3600	2310
17	1070	1160	15300	5470	19200	19000	8000	8270	4200	1300	3000	2040
18	1640	2330	11700	4360	15900	18000	7000	6110	4000	1500	2500	1390
19	3250	2220	9740	4610	13200	18000	6180	4990	3200	1800	2300	1110
20	2750	2000	9970	4690	10600	18000	7370	4780	3300	1400	2300	1610
21	2430	2060	10800	4600	7790	17000	7600	3600	4000	1000	2100	1200
22	2060	2240	11100	4650	7620	16000	7060	3240	4400	900	2700	907
23	1930	1970	10200	4620	8040	13000	6510	4310	4600	700	2980	1040
24	1230	2520	8210	4550	7380	12000	5770	5410	4700	550	3310	1060
25	1290	5940	8840	6830	6790	12000	5180	5900	5000	800	3280	1420
26	1840	4970	10600	8100	5480	13000	4800	5610	4200	800	2970	4580
27	2270	4440	10000	8260	7190	13000	4830	5150	3900	600	2640	4130
28	3260	4050	9690	7570	14800	15000	5350	3790	3000	850	2130	2130
29	3270	7540	8250	6780	21100	19000	5940	4750	2500	1800	1660	1280
30	2870	8710	7830	6340	---	23000	5530	6740	1600	2300	2000	992
31	2640	---	7220	5760	---	21900	---	5560	---	1900	2460	---
TOTAL	55688	73172	424140	203160	280930	479360	401120	471070	107210	42897	85280	55924
MEAN	1796	2439	13680	6554	9687	15460	13370	15200	3574	1384	2751	1864
MAX	3270	8710	27700	11200	22300	23000	27000	57400	5000	2600	7900	4580
MIN	992	921	6790	4360	4580	8700	4800	3240	1600	550	700	851
AC-FT	110500	145100	841300	403000	557200	950800	795600	934400	212700	85090	169200	110900

CAL YR 1983 TOTAL 3218757 MEAN 8819 MAX 47900 MIN 755 AC-FT 6384000
WTR YR 1984 TOTAL 2679951 MEAN 7322 MAX 57400 MIN 550 AC-FT 5316000

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED
(National stream-quality accounting network)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-52, October 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1976 to September 1981.
WATER TEMPERATURES: July 1976 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 13...	0830	9	80513	80010	1180	64	7.2	19.5	4.5	8.5	92
JAN 11...	0900	9	80513	80010	9070	75	7.0	5.0	25	10.8	84
APR 12...	0705	9	80513	80010	18100	72	7.4	15.0	24	9.0	89
JUL 26...	0800	9	80513	80010	849	146	7.1	23.5	6.5	7.1	83

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 13...	0830	766	14	78	21	0	0	5.7	1.6	3.5	25
JAN 11...	0900	765	88	500	20	4	4	5.7	1.4	4.8	33
APR 12...	0705	762	66	110	23	5	5	7.1	1.3	3.5	24
JUL 26...	0800	764	5	72	20	3	3	5.5	1.5	4.5	31

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT 13...	0830	.3	1.2	21	6.3	4.2	.10	4.0	43	40	.06
JAN 11...	0900	.5	1.2	16	11	3.9	<.10	6.9	64	45	.09
APR 12...	0705	.3	1.1	18	8.1	4.4	<.10	6.7	38	44	.05
JUL 26...	0800	.5	1.2	17	9.4	6.8	.20	5.1	52	45	.07

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
OCT 13...	0830	<.100	.080	.20	.040	.010	.020	10	<1	54	<.5
JAN 11...	0900	.230	.090	.60	.050	.030	.020	20	<1	27	<.5
APR 12...	0705	.190	.110	.60	.070	.010	<.010	40	1	31	<.5
JUL 26...	0800	.130	.060	.70	.030	<.010	<.010	30	1	34	1

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 13...	0830	<1	2	<3	<1	130	1	5	56	<.1
JAN 11...	0900	<1	<1	<3	2	71	1	<4	8	<.1
APR 12...	0705	<1	<1	<3	4	340	1	<4	53	.1
JUL 26...	0800	<1	<1	<3	2	210	2	4	40	<.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 13...	0830	<10	<1	<1	<1	42	5	13	41	83
JAN 11...	0900	<10	1	<1	<1	46	<3	38	931	94
APR 12...	0705	<10	3	<1	<1	59	16	31	1510	89
JUL 26...	0800	<10	3	<1	<1	52	10	12	28	91

07362065 OUACHITA RIVER BELOW CAMDEN, AR

LOCATION.--Lat 33°29'03", long 92°45'11", in NE 1/4 SE 1/4 sec.20, T.14 S., R.16 W., Ouachita County, Hydrologic Unit 08040201, at Frenchport Landing, 7.5 mi southeast of Camden, 6.5 mi downstream from Two Bayou Creek and at mi 339.2.

DRAINAGE AREA.--5,676 mi^2.

PERIOD OF RECORD.--July 1969 to September 1972, November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)
NOV, 1983										
15...	1010	9	9827	9827	1210	--	6.9	12.0	11.0	20
DEC										
06...	1030	9	9827	9827	27700	--	6.4	8.0	11.0	70
JAN, 1984										
24...	1056	9	9827	9827	--	4430	6.4	6.0	4.0	15
FEB										
21...	1120	9	9827	9827	--	7710	6.5	15.0	11.0	30
MAR										
20...	1044	9	9827	9827	18000	--	6.7	11.0	14.0	35
APR										
24...	1058	9	9827	9827	--	5770	6.6	25.0	18.0	20
MAY										
22...	1045	9	9827	9827	--	3300	--	26.0	20.0	30
JUN										
19...	1101	9	9827	9827	3200	--	6.9	32.0	28.0	20
JUL										
31...	1103	9	9827	9827	--	--	6.9	24.0	22.0	35
AUG										
28...	1130	9	9827	9827	--	2130	--	27.0	25.0	30
SEP										
25...	1100	9	9827	9827	--	858	7.0	29.0	27.0	25

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983										
15...	1010	8.7	1.1	32	2.0	11	72	.10	16	.08
DEC										
06...	1030	9.2	2.4	640	7.0	7.0	75	.10	94	.19
JAN, 1984										
24...	1056	12.2	2.6	24	9.0	9.5	72	.10	16	.18
FEB										
21...	1120	9.5	1.8	44	8.0	8.5	73	.10	26	.15
MAR										
20...	1044	8.4	1.5	190	7.0	5.5	67	.09	30	.13
APR										
24...	1058	8.8	2.1	40	9.0	8.5	71	.10	20	.18
MAY										
22...	1045	7.4	1.8	130	8.0	6.5	--	--	44	.19
JUN										
19...	1101	8.6	2.5	24	6.0	7.5	51	.07	20	.13
JUL										
31...	1103	7.9	2.1	--	--	9.5	72	.10	26	--
AUG										
28...	1130	7.6	2.7	240	6.0	11	82	.11	30	.16
SEP										
25...	1100	8.5	2.7	12	10	9.5	62	.08	15	.12

07362065 OUACHITA RIVER BELOW CAMDEN, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)
NOV, 1983 15...	1010	<.010	.040	.050	<5	0	<1	16	16	<5
DEC 06...	1030	.070	.130	.010	--	0	4	20	--	--
JAN, 1984 24...	1056	.050	.050	<.010	--	0	1	--	--	--
FEB 21...	1120	.040	.080	.030	<5	0	2	26	29	<5
MAR 20...	1044	.040	.020	.030	--	0	<1	25	17	--
APR 24...	1058	.010	.120	.030	<5	0	<1	24	18	<5
MAY 22...	1045	.110	.100	.010	--	0	2	14	--	--
JUN 19...	1101	.030	--	.020	--	0	<1	22	--	--
JUL 31...	1103	--	.100	--	--	0	<1	23	20	--
AUG 28...	1130	.020	.090	.050	<5	0	--	--	--	<5
SEP 25...	1100	.080	.110	.070	--	0	1	19	15	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983 15...	1010	10	--	--	--	--	--	--	--	--
DEC 06...	1030	20	--	--	--	--	--	--	--	--
FEB, 1984 21...	1120	30	--	--	--	--	--	--	--	--
MAR 20...	1044	20	--	--	--	--	--	--	--	--
APR 24...	1058	40	--	--	--	--	--	--	--	--
JUN 19...	1101	10	--	--	--	--	--	--	--	--
JUL 31...	1103	70	.000	.000	.000	.000	.000	.00	<.01	.0
AUG 28...	1130	30	--	--	--	--	--	--	--	--
SEP 25...	1100	10	--	--	--	--	--	--	--	--

07362100 SMACKOVER CREEK NEAR SMACKOVER, AR

LOCATION.--Lat 33°22'33", long 92°46'37", in NW 1/4 SE 1/4 sec.32, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, near right bank on downstream side of bridge on State Highway 7, 0.1 mi downstream from Camp Creek, 3.3 mi northwest of Smackover, and at mile 22.0.

DRAINAGE AREA.--385 mi^2.

PERIOD OF RECORD.--October 1961 to current year. Gage-height records collected and occasional discharge measurements made by Corps of Engineers at this site since September 1938. Daily stages 1940 to date and results of discharge measurements 1947 to 1960 are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1967: 1965. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.56 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--23 years, 376 ft^3/s, 13.26 in/yr, 272,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,700 ft^3/s June 8, 1974, gage height, 24.97 ft, from rating curve extended above 31,000 ft^3/s; no flow for part of Aug. 9, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, that of June 8, 1974.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 14	2200	2,570	13.47
Mar. 7	0100	3,000	13.62
Mar. 18	2400	*3,010	13.63

Minimum discharge, 0.55 ft^3/s Oct. 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	1.0	85	200	182	1670	1230	214	32	425	23	61
2	2.3	1.0	80	170	167	1460	989	488	29	135	22	66
3	1.5	1.7	609	150	165	1160	1220	1130	27	75	25	54
4	1.1	2.2	1150	120	170	1400	1490	1570	25	54	49	56
5	.83	3.0	1370	100	178	2230	1460	1650	24	53	75	74
6	1.1	4.6	1190	100	167	2860	1180	1440	28	84	171	64
7	1.7	6.5	867	95	148	2940	903	1210	53	119	73	51
8	1.2	8.2	741	90	135	2560	598	860	53	96	53	41
9	.96	9.5	407	160	137	2050	649	416	55	69	233	42
10	.84	11	244	292	183	1560	755	255	44	63	855	71
11	.96	11	1020	534	286	1020	769	182	34	45	1200	97
12	1.5	11	1700	622	835	748	769	145	28	33	1380	89
13	1.9	11	2100	591	2080	928	704	122	24	29	967	61
14	2.8	11	2060	492	2460	1060	559	107	25	27	322	44
15	2.9	12	1770	326	2430	1010	395	95	23	24	249	35
16	2.1	12	1370	246	2140	924	293	85	22	23	185	30
17	1.5	12	803	216	1940	1540	254	76	21	81	138	26
18	1.1	13	421	207	1610	2590	235	68	27	281	133	25
19	1.4	16	347	204	1180	2770	484	63	25	260	104	23
20	2.0	40	331	197	829	2120	1000	71	24	108	95	22
21	1.7	54	339	190	575	1520	1490	89	21	59	109	21
22	1.7	58	618	177	422	935	1300	102	19	41	127	20
23	1.8	78	726	198	344	534	779	99	18	32	173	43
24	1.9	84	660	483	302	787	358	84	17	28	437	43
25	1.8	82	600	679	270	957	237	70	16	25	540	36
26	1.9	76	640	657	307	1010	195	59	15	24	416	30
27	1.8	78	500	530	1120	998	175	50	23	24	179	26
28	1.6	111	200	363	1650	1280	175	44	331	26	104	24
29	1.7	116	210	275	1860	1480	168	46	646	27	79	22
30	1.3	100	210	231	---	1490	175	43	661	25	63	20
31	1.1	---	220	204	---	1310	---	38	---	24	53	---
TOTAL	51.39	1034.7	23588	9099	24272	46901	20988	10971	2390	2419	8632	1317
MEAN	1.66	34.5	761	294	837	1513	700	354	79.7	78.0	278	43.9
MAX	3.4	116	2100	679	2460	2940	1490	1650	661	425	1380	97
MIN	.83	1.0	80	90	135	534	168	38	15	23	22	20
CFSM	.00	.09	1.98	.76	2.17	3.93	1.82	.92	.21	.20	.72	.11
IN.	.00	.10	2.28	.88	2.35	4.53	2.03	1.06	.23	.23	.83	.13
AC-FT	102	2050	46790	18050	48140	93030	41630	21760	4740	4800	17120	2610

CAL YR 1983 TOTAL 135054.86 MEAN 370 MAX 3670 MIN .44 CFSM .96 IN. 13.05 AC-FT 267900
WTR YR 1984 TOTAL 151663.09 MEAN 414 MAX 2940 MIN .83 CFSM 1.08 IN. 14.65 AC-FT 300800

[illegible]

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, AR

LOCATION.--33°22'46", long 92°43'09", in NE 1/4 sec.35, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, at bridge on county road, 1.1 mi north of Smackover.

DRAINAGE AREA.--411 mi^2.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1983 11...	1030	9	9827	9827	1.0	6.2	24.0	20.0	5.6	4.5	44
NOV 15...	0938	9	9827	9827	13	6.3	13.0	12.0	5.4	9.6	33
DEC 06...	1000	9	9827	9827	1290	5.6	9.0	11.0	25	7.2	49
JAN, 1984 24...	1023	9	9827	9827	522	4.9	7.0	3.0	40	12.6	32
FEB 21...	1128	9	9827	9827	621	5.3	15.0	10.0	15	--	30
MAR 20...	1023	9	9827	9827	2290	5.6	10.0	14.0	20	6.1	30
APR 24...	1028	9	9827	9827	387	5.9	26.0	18.0	20	6.6	33
MAY 22...	1030	9	9827	9827	110	--	25.0	22.0	25	5.9	38
JUN 19...	1040	9	9827	9827	27	6.1	32.0	28.0	20	8.0	43
JUL 31...	1030	9	9827	9827	26	6.1	26.0	25.0	40	6.4	--
AUG 28...	1100	9	9827	9827	112	--	28.0	25.0	25	5.6	--
SEP 25...	1030	9	9827	9827	39	6.5	27.0	24.0	25	10.9	68

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1983 11...	1030	.7	8	6.0	660	1350	1.8	6	.03	.010	.19
NOV 15...	0938	3.9	80	2.0	750	1570	2.1	6	.05	<.010	--
DEC 06...	1000	2.3	590	9.0	90	325	.44	18	.13	.070	.33
JAN, 1984 24...	1023	2.0	46	11	390	762	1.0	54	.13	.160	--
FEB 21...	1128	--	4	8.0	190	377	.51	12	.02	.040	.86
MAR 20...	1023	1.2	140	6.0	58	160	.22	8	.02	.020	--
APR 24...	1028	1.6	110	7.0	200	400	.54	18	.06	.070	--
MAY 22...	1030	3.5	70	5.0	250	--	--	15	.03	.100	1.2
JUN 19...	1040	5.1	20	5.0	300	622	.85	17	.02	.040	.66
JUL 31...	1030	--	16	--	220	431	.59	22	--	--	--
AUG 28...	1100	1.6	10	7.0	220	445	.61	22	.04	.040	.56
SEP 25...	1030	--	8	3.0	200	382	.52	24	.01	.010	1.9

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1983										
11...	1030	.20	.23	1.0	.010	<.010	0	--	17	23
NOV										
15...	0938	<.10	--	--	.010	<.010	0	1	21	15
DEC										
06...	1000	.40	.53	2.3	.060	.010	0	2	30	--
JAN, 1984										
24...	1023	<.10	--	--	.050	<.010	1	2	--	--
FEB										
21...	1128	.90	.92	4.1	.040	.030	5	1	34	41
MAR										
20...	1023	--	--	--	.140	.010	1	<1	34	35
APR										
24...	1028	--	--	--	.110	.020	0	1	43	21
MAY										
22...	1030	1.3	1.3	5.9	.080	.010	1	2	30	--
JUN										
19...	1040	.70	.72	3.2	--	.020	0	1	22	--
JUL										
31...	1030	--	--	--	.110	--	0	2	28	42
AUG										
28...	1100	.60	.64	2.8	.060	.040	1	--	--	--
SEP										
25...	1030	1.9	1.9	8.5	.190	.020	0	1	24	44

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
OCT, 1983										
11...	1030	20	--	--	--	--	--	--	--	--
NOV										
15...	0938	20	--	--	--	--	--	--	--	--
DEC										
06...	1000	60	--	--	--	--	--	--	--	--
FEB, 1984										
21...	1128	70	--	--	--	--	--	--	--	--
MAR										
20...	1023	40	--	--	--	--	--	--	--	--
APR										
24...	1028	100	--	--	--	--	--	--	--	--
JUN										
19...	1040	40	--	--	--	--	--	--	--	--
JUL										
31...	1030	60	.000	.000	.000	.000	.000	.00	<.01	.0
AUG										
28...	1100	120	--	--	--	--	--	--	--	--
SEP										
25...	1030	30	--	--	--	--	--	--	--	--

BEST [illegible] AVAILABLE

07362550 MORO CREEK NEAR BANKS, AR

LOCATION.--Lat 33°32'38", long 92°19'00", in sec.35 T.13 S., R.12 W., Bradley-Calhoun county line, Hydrologic Unit 08040201, at bridge on State Highway 4, 4.0 mi west of Banks.

DRAINAGE AREA.--385 mi^2.

PERIOD OF RECORD.--April 1974 to September 1978, October 1979 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY RECORDS, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983										
15...	0830	9	9827	9827	--	6.6	10.0	13.0	7.5	6.4
DEC										
06...	0900	9	9827	9827	1840	5.4	15.0	10.0	20	7.4
JAN, 1984										
24...	0921	9	9827	9827	600	5.6	7.0	3.0	30	12.0
FEB										
21...	1000	9	9827	9827	760	5.6	12.0	10.0	20	--
MAR										
20...	0920	9	9827	9827	890	5.9	7.0	13.0	20	6.9
APR										
24...	0915	9	9827	9827	300	6.4	27.0	17.0	25	7.3
MAY										
22...	0930	9	9827	9827	175	--	26.0	21.0	45	6.2
JUN										
19...	0937	9	9827	9827	15	6.4	33.0	25.0	45	4.9
JUL										
31...	0918	9	9827	9827	.00	6.6	28.0	23.0	40	3.6
AUG										
09...	0920	9	9827	9827	--	--	--	--	--	--
28...	1000	9	9827	9827	215	--	24.0	26.0	25	5.4
SEP										
25...	0930	9	9827	9827	.00	6.5	28.0	23.0	40	4.9

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
15...	0830	3.2	48	2.0	8.5	75	.10	8	<.01
DEC									
06...	0900	2.6	400	7.0	5.0	68	.09	8	.02
JAN, 1984									
24...	0921	2.7	160	9.0	7.5	80	.11	22	.10
FEB									
21...	1000	--	40	7.0	6.0	76	.10	6	.01
MAR									
20...	0920	1.5	100	5.0	4.0	64	.09	8	.02
APR									
24...	0915	2.5	170	9.0	8.5	127	.17	21	.07
MAY									
22...	0930	1.9	7300	4.0	5.0	--	--	36	.15
JUN									
19...	0937	2.6	80	6.0	11	98	.13	30	.28
JUL									
31...	0918	1.6	24	--	7.5	107	.15	20	--
AUG									
28...	1000	1.1	10	7.0	4.5	79	.11	18	.08
SEP									
25...	0930	1.3	96	7.0	7.0	89	.12	17	.19

07362550 MORO CREEK NEAR BANKS, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
15...	0830	<.010	.070	.020	0	<1	12	18	20
DEC									
06...	0900	.050	.110	.010	0	1	14	--	20
JAN, 1984									
24...	0921	.020	.060	.010	0	1	--	--	--
FEB									
21...	1000	.020	.060	.040	0	<1	18	8	20
MAR									
20...	0920	.030	.080	.020	0	<1	20	10	0
APR									
24...	0915	.070	.150	.050	0	1	34	15	140
MAY									
22...	0930	.150	.130	.050	1	2	22	--	--
JUN									
19...	0937	.120	--	.070	0	2	22	--	40
JUL									
31...	0918	--	.180	--	0	1	21	28	50
AUG									
28...	1000	.040	.100	.060	0	--	--	--	40
SEP									
25...	0930	.020	.160	.100	0	3	19	41	0

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
31...	0918	.000	.000	.000	.000	.000	.00	<.01	.0

07363002 SALINE RIVER WEST OF BENTON, AR

LOCATION.--Lat 34°33'46', long 92°36'55", in sec.9, T.2 S., R.15 W., Saline County, Hydrologic Unit 08040203, at bridge on Old U.S. Highway 67, 3.4 downstream from confluence of North Fork and Alum Fork, and at mile 197.7.

DRAINAGE AREA.--550 mi^2.

PERIOD OF RECORD.--April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1983											
18...	0945	9	9827	9827	134	7.1	20.0	19.0	20	7.8	--
NOV											
08...	0930	9	9827	9827	30	7.1	13.0	14.0	3.0	--	7
DEC											
13...	0925	9	9827	9827	1350	6.7	7.0	9.0	10	10.1	11
JAN, 1984											
31...	1015	9	9827	9827	280	7.1	12.0	6.0	--	12.3	6
FEB											
14...	0950	9	9827	9827	2690	6.6	--	9.0	30	10.6	17
MAR											
13...	0930	9	9827	9827	3500	6.7	9.0	9.0	35	11.0	11
APR											
10...	0925	9	9827	9827	2060	6.9	18.0	14.0	20	9.2	12
MAY											
22...	0845	9	9827	9827	377	7.3	20.0	21.0	4.6	7.7	9
JUN											
05...	0930	9	9827	9827	147	6.8	25.0	23.0	5.6	7.7	6
JUL											
17...	0945	9	9827	9827	59	6.9	22.0	27.0	8.0	6.8	13
AUG											
14...	0935	9	9827	9827	27	7.3	24.0	25.0	6.2	7.6	5
SEP											
11...	0940	9	9827	9827	14	7.4	25.0	25.0	--	8.0	2

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1983											
18...	0945	1.1	1200	6.0	4.0	74	.10	22	.07	.050	--
NOV											
08...	0930	--	80	5.0	4.5	91	.12	4	.02	.060	.04
DEC											
13...	0925	1.1	180	8.0	3.5	50	.07	7	.20	.050	--
JAN, 1984											
31...	1015	.6	<4	12	5.0	75	.10	2	.04	.060	2.5
FEB											
14...	0950	.4	180	8.0	4.5	58	.08	26	.25	.040	.96
MAR											
13...	0930	.7	310	6.0	3.5	66	.09	29	.16	.040	.66
APR											
10...	0925	.7	130	7.0	2.5	58	.08	16	.10	.040	.36
MAY											
22...	0845	.6	140	4.0	3.0	64	.09	6	--	.070	.93
JUN											
05...	0930	1.5	44	11	4.5	66	.09	6	.04	.070	--
JUL											
17...	0945	1.3	170	8.0	3.5	62	.08	11	.19	--	--
AUG											
14...	0935	1.5	180	7.0	4.5	80	.11	10	.11	<.010	--
SEP											
11...	0940	2.0	140	4.0	3.0	91	.12	8	--	.010	.09

07363002 SALINE RIVER WEST OF BENTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1983											
18...	0945	--	--	--	.050	<.010	--	0	<1	10	15
NOV											
08...	0930	.10	.12	.53	.050	.010	<5	0	2	12	--
DEC											
13...	0925	<.10	--	--	.020	--	--	0	5	13	16
JAN, 1984											
31...	1015	2.6	2.6	12	.010	<.010	<5	1	<1	<10	13
FEB											
14...	0950	1.0	1.3	5.5	--	.020	--	0	2	20	10
MAR											
13...	0930	.70	.86	3.8	.070	.020	--	0	2	12	--
APR											
10...	0925	.40	.50	2.2	.050	.010	<5	0	<1	18	11
MAY											
22...	0845	1.0	--	--	.020	<.010	--	0	<1	11	8
JUN											
05...	0930	--	--	--	--	.010	--	0	<1	<10	16
JUL											
17...	0945	<.10	--	--	.040	.010	--	0	<1	<10	12
AUG											
14...	0935	.30	.41	1.8	.040	.010	<5	0	2	19	3
SEP											
11...	0940	.10	--	--	.050	.020	--	0	1	<10	8

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983											
08...	0930	<5	50	--	--	--	--	--	--	--	--
JAN, 1984											
31...	1015	<5	90	--	--	--	--	--	--	--	--
FEB											
14...	0950	--	390	--	--	--	--	--	--	--	--
APR											
10...	0925	1	--	--	--	--	--	--	--	--	--
MAY											
22...	0845	--	270	--	--	--	--	--	--	--	--
JUN											
05...	0930	--	20	--	--	--	--	--	--	--	--
JUL											
17...	0945	--	100	.000	.000	.000	.000	.000	.00	<.01	.0
AUG											
14...	0935	<5	--	--	--	--	--	--	--	--	--
SEP											
11...	0940	--	30	--	--	--	--	--	--	--	--

07363054 SALINE RIVER NEAR SHAW, AR

LOCATION.--Lat 34°29'56" long 92°33'46", in NW 1/4 NW 1/4 sec.1, T.3 S., R.15 W., Saline County, Hydrologic Unit 08040203, at Shaw Bridge 2.0 mi west of Shaw, Ark., and 2.0 mi east of Dotted Lake.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
NOV, 1983											
08...	1000	9	9827	9827	7.2	13.0	15.0	5.5	7.4	10	1.4
DEC											
13...	0956	9	9827	9827	6.9	5.0	9.0	20	9.8	14	1.4
JAN, 1984											
31...	1045	9	9827	9827	7.1	10.0	6.0	--	12.2	7	.8
FEB											
14...	1020	9	9827	9827	6.6	12.0	9.0	40	10.2	15	.9
MAR											
13...	1000	9	9827	9827	6.9	9.0	9.0	40	11.0	11	.6
APR											
10...	1000	9	9827	9827	7.2	15.0	13.0	30	9.3	13	1.1
MAY											
22...	0920	9	9827	9827	7.2	20.0	21.0	7.5	7.6	11	1.1
JUN											
05...	1000	9	9827	9827	7.6	25.0	23.0	6.4	6.9	15	1.5
JUL											
16...	1025	9	9827	9827	7.1	22.0	27.0	20	5.7	9	1.5
AUG											
14...	1005	9	9827	9827	7.3	24.0	25.0	9.5	6.5	8	1.8
SEP											
11...	1010	9	9827	9827	7.2	25.0	25.0	--	6.2	8	3.4

DATE	TIME	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV, 1983										
08...	1000	40	9.0	6.0	96	.13	8	.48	.170	--
DEC										
13...	0956	270	8.0	4.0	51	.07	16	.20	.040	--
JAN, 1984										
31...	1045	12	14	5.5	76	.10	6	.07	.110	--
FEB										
14...	1020	280	7.0	4.0	58	.08	42	.25	.060	1.0
MAR										
13...	1000	710	6.0	3.0	67	.09	40	.15	.040	.56
APR										
10...	1000	280	5.0	2.0	57	.08	23	.11	.060	.64
MAY										
22...	0920	310	8.0	2.5	73	.10	12	--	.120	.88
JUN										
05...	1000	52	6.0	5.0	57	.08	11	.15	.140	1.1
JUL										
16...	1025	110	11	4.0	68	.09	8	.32	--	--
AUG										
14...	1005	70	7.0	4.5	85	.12	16	.28	.070	.23
SEP										
11...	1010	40	15	6.5	108	.15	8	--	.230	.17

07363054 SALINE RIVER NEAR SHAW, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
NOV, 1983 08...	1000	<.10	--	--	.310	.230	0	2	<10	--
DEC 13...	0956	<.10	--	--	.040	--	0	1	16	37
JAN, 1984 31...	1045	--	--	--	.050	.010	0	<1	<10	5
FEB 14...	1020	1.1	1.4	6.0	--	.020	<5	2	14	5
MAR 13...	1000	.60	.75	3.3	.090	.020	0	<1	15	--
APR 10...	1000	.70	.81	3.6	.110	.020	0	<1	13	6
MAY 22...	0920	1.0	--	--	.070	.010	0	1	<10	10
JUN 05...	1000	1.2	1.4	6.0	--	.040	0	<1	10	10
JUL 16...	1025	<.10	--	--	.150	.090	0	<1	<10	8
AUG 14...	1005	.30	.58	2.6	.150	.100	0	<1	<10	7
SEP 11...	1010	.40	--	--	.470	.370	0	<1	<10	8

DATE	TIME	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
NOV, 1983 08...	1000	30	--	--	--	--	--	--	--	--
JAN, 1984 31...	1045	60	--	--	--	--	--	--	--	--
FEB 14...	1020	70	--	--	--	--	--	--	--	--
MAY 22...	0920	50	--	--	--	--	--	--	--	--
JUN 05...	1000	50	--	--	--	--	--	--	--	--
JUL 16...	1025	20	--	--	--	--	--	--	--	--
AUG 14...	1005	--	.000	.000	.000	.000	.000	.00	<.01	.0
SEP 11...	1010	20	--	--	--	--	--	--	--	--

07363200 SALINE RIVER NEAR SHERIDAN, AR

LOCATION.--Lat 34°06'56", long 92°24'21", in NE 1/4 NW 1/4 sec.15, T.7 S., R.13 W., Grand County, Hydrologic Unit 08040203, on downstream side of bridge on U.S. Highway 167, 1.0 mi upstream from Gamble Creek, 1.6 mi downstream from Lost Creek, 2.1 mi upstream from Hurricane Creek, 13.5 mi south of Sheridan and at mi 131.4.

DRAINAGE AREA.--1,123 mi^2.

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983										
08...	1058	9	9827	9827	108	7.2	15.0	14.0	8.0	9.1
DEC										
13...	1056	9	9827	9827	3500	6.5	6.0	9.0	25	8.5
JAN, 1984										
31...	1140	9	9827	9827	890	6.9	10.0	7.0	--	11.8
FEB										
14...	1110	9	9827	9827	2250	6.6	19.0	12.0	75	8.9
MAR										
13...	1055	9	9827	9827	2900	6.5	14.0	10.0	20	9.8
APR										
10...	1058	9	9827	9827	4200	6.7	22.0	15.0	15	7.7
MAY										
22...	1100	9	9827	9827	510	6.9	25.0	23.0	25	6.9
JUN										
05...	1105	9	9827	9827	385	6.9	30.0	24.0	25	6.8
JUL										
17...	1115	9	9827	9827	200	7.2	25.0	28.0	30	6.5
AUG										
14...	1100	9	9827	9827	395	6.8	28.0	25.0	30	6.5
SEP										
11...	1100	9	9827	9827	120	7.1	30.0	25.0	--	7.1

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
08...	1058	1.2	68	21	5.0	97	.13	8	.14
DEC									
13...	1056	1.8	190	9.0	4.0	59	.08	18	.13
JAN, 1984									
31...	1140	.8	16	17	7.0	80	.11	14	.10
FEB									
14...	1110	1.8	230	15	6.5	85	.12	100	.10
MAR									
13...	1055	1.1	60	7.0	3.0	58	.08	13	.11
APR									
10...	1058	.9	70	6.0	3.0	52	.07	11	.06
MAY									
22...	1100	1.4	240	9.0	4.5	67	.09	27	--
JUN									
05...	1105	1.3	22	7.0	5.0	51	.07	30	.18
JUL									
17...	1115	1.2	80	9.0	5.0	73	.10	26	.12
AUG									
14...	1100	1.9	100	6.0	4.5	72	.10	28	.17
SEP									
11...	1100	1.7	95	4.0	5.5	78	.11	24	-

07363200 SALINE RIVER NEAR SHERIDAN, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
08...	1058	.040	.070	.030	0	2	10	--	50
DEC									
13...	1056	.030	.050	--	0	1	13	31	--
JAN, 1984									
31...	1140	.060	.040	<.010	0	<1	20	8	70
FEB									
14...	1110	.100	--	.020	0	3	16	6	80
MAR									
13...	1055	.010	.070	.010	0	<1	18	--	--
APR									
10...	1058	.050	.100	.010	<5	<1	19	7	--
MAY									
22...	1100	.130	.060	.020	0	2	<10	<1	0
JUN									
05...	1105	.180	--	.030	0	<1	10	<1	20
JUL									
17...	1115	--	.070	.030	0	<1	10	13	40
AUG									
14...	1100	.060	.080	.050	0	<1	15	8	--
SEP									
11...	1100	.010	.090	.030	0	<1	24	16	50

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
AUG, 1984									
14...	1100	.000	.000	.000	.000	.000	.00	<.01	.0

07363270 HURRICANE CREEK NEAR SARDIS, AR

LOCATION.--Lat 34°30'40', long 92°24'54", in SW 1/4 sec.28, T.2 S., R.13 W., Saline County, Hydrologic Unit 08040203, at crossing on county road, 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis.

DRAINAGE AREA.--66.0 mi^2.

PERIOD OF RECORD.--April 1974 to September 1976, October 1977 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1983											
18...	0855	9	9827	9827	34	7.4	22.0	18.0	800	7.6	29
NOV											
08...	0856	9	9827	9827	23	9.1	15.0	13.0	7.0	8.6	23
DEC											
13...	0845	9	9827	9827	112	8.8	7.0	9.0	20	10.0	20
JAN, 1984											
31...	0925	9	9827	9827	26	7.5	9.0	5.0	--	12.0	16
FEB											
14...	0915	9	9827	9827	124	8.5	11.0	9.0	15	10.1	23
MAR											
13...	0850	9	9827	9827	460	8.8	9.0	9.0	25	10.2	16
APR											
10...	0845	9	9827	9827	220	7.8	18.0	14.0	20	8.9	17
MAY											
22...	1440	9	9827	9827	20	8.3	29.0	23.0	9.0	8.0	22
JUN											
05...	0850	9	9827	9827	4.0	8.6	25.0	22.0	7.5	7.5	--
JUL											
17...	0900	9	9827	9827	--	7.1	22.0	25.0	20	6.5	30
AUG											
14...	0855	9	9827	9827	106	7.5	26.0	23.0	4.0	7.6	13
SEP											
11...	0857	9	9827	9827	128	7.4	26.0	24.0	--	6.1	19

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1983											
18...	0855	2.2	2300	140	8.0	344	.47	516	.27	.180	.22
NOV											
08...	0856	1.0	52	250	22	748	1.0	9	.35	.020	--
DEC											
13...	0845	1.8	52	79	7.0	205	.28	21	.41	.110	--
JAN, 1984											
31...	0925	1.4	8	250	8.0	471	.64	24	.29	.260	1.4
FEB											
14...	0915	1.6	72	41	7.5	149	.20	21	.30	.080	1.1
MAR											
13...	0850	.9	85	45	6.0	152	.21	21	.23	.110	.69
APR											
10...	0845	1.8	140	200	6.5	417	.57	30	.16	.120	.58
MAY											
22...	1440	1.2	2900	160	8.5	538	.73	10	--	.080	1.1
JUN											
05...	0850	2.0	160	390	21	912	1.2	13	.17	.100	1.2
JUL											
17...	0900	2.2	380	81	6.5	180	.24	18	.20	--	--
AUG											
14...	0855	1.2	96	330	7.5	571	.78	8	.23	.010	.29
SEP											
11...	0857	1.2	460	250	6.0	566	.77	6	--	<.010	--

07363270 HURRICANE CREEK NEAR SARDIS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1983										
18...	0855	.40	.67	3.0	.220	.020	0	15	20	33
NOV										
08...	0856	<.10	--	--	.060	.010	0	7	11	--
DEC										
13...	0845	<.10	--	--	.060	--	0	4	<10	12
JAN, 1984										
31...	0925	1.7	2.0	8.8	.030	<.010	1	3	12	13
FEB										
14...	0915	1.2	1.5	6.6	--	.010	0	1	11	8
MAR										
13...	0850	.80	1.0	4.6	.090	.040	0	1	13	--
APR										
10...	0845	.70	.86	3.8	.080	.010	0	2	16	23
MAY										
22...	1440	1.2	--	--	.050	.010	0	4	22	23
JUN										
05...	0850	1.3	1.5	6.5	--	.020	0	6	<10	23
JUL										
17...	0900	.70	.90	4.0	.050	.010	0	1	14	11
AUG										
14...	0855	.30	.53	2.3	.020	.010	0	<1	16	7
SEP										
11...	0857	.30	--	--	.040	.010	0	<1	<10	16

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983										
08...	0856	40	--	--	--	--	--	--	--	--
JAN, 1984										
31...	0925	90	--	--	--	--	--	--	--	--
FEB										
14...	0915	140	--	--	--	--	--	--	--	--
MAY										
22...	1440	350	--	--	--	--	--	--	--	--
JUN										
05...	0850	50	--	--	--	--	--	--	--	--
JUL										
17...	0900	70	.000	.000	.000	.000	.000	.00	<.01	.0
SEP										
11...	0857	50	--	--	--	--	--	--	--	--

07363300 HURRICANE CREEK NEAR SHERIDAN, AR

LOCATION.--Lat 34°19'10", long 92°20'40", in NW 1/4 NE 1/4 sec.6, T.5 S., R.12 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S Highway 270, 2.8 mi downstream from Simpson Creek, 3.5 mi east of Sheridan, and at mile 16.9.

DRAINAGE AREA.--204 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements 1957-61. October 1961 to current year. Gage-height records and results of discharge measurements 1960-63 are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1970: 1969.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--23 years, 230 ft^3/s, 15.31 in/yr, 166,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,100 ft^3/s Apr. 24, 1964, gage height, 15.93 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1939, 18.55 ft June 27, 1960, from floodmarks, discharge, 52,300 ft^3/s by contracted-opening measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,200 ft^3/s May 3, at 1300 hours, gage height, 16.12 ft, no other peak above base of 5,000 ft^3/s; minimum discharge, 0.24 ft^3/s Oct. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	8.1	33	100	106	1050	827	67	64	9.9	4.6	15
2	1.3	9.5	39	90	87	518	420	642	58	9.2	3.4	14
3	.76	11	165	80	88	307	839	8480	46	9.3	12	17
4	.65	13	517	70	100	252	1700	4100	38	9.1	24	13
5	.60	16	882	60	110	761	1470	2260	35	10	27	8.7
6	.47	16	533	60	95	1560	1030	1570	34	11	17	5.9
7	.61	20	323	50	75	1380	453	1200	37	11	11	3.8
8	.49	21	194	50	60	1100	347	1150	31	11	7.7	3.0
9	.48	20	121	40	50	536	656	1200	28	12	5.1	2.4
10	.41	21	113	60	130	302	1120	933	25	9.6	6.9	2.0
11	.38	22	399	131	100	264	939	570	18	8.7	9.9	2.2
12	.63	23	999	136	150	357	507	287	15	8.1	18	2.9
13	1.0	25	1060	119	450	821	328	171	16	8.3	16	7.4
14	2.5	24	752	111	420	1090	233	127	21	8.4	12	8.5
15	5.1	24	593	102	320	744	167	102	21	9.0	11	9.2
16	4.4	24	394	96	250	404	135	80	19	8.4	11	59
17	4.6	23	229	92	350	323	116	71	13	12	13	40
18	6.9	21	162	90	300	324	110	65	11	23	11	24
19	16	22	139	85	220	311	103	59	9.9	19	11	23
20	7.1	26	131	90	300	261	103	54	12	14	12	22
21	3.6	45	131	82	240	207	97	55	21	10	9.9	22
22	2.8	28	349	74	190	164	85	62	22	7.4	8.5	22
23	6.9	29	518	76	130	132	74	84	20	5.2	16	25
24	7.3	69	520	297	96	152	62	310	19	4.0	13	69
25	5.1	58	370	511	86	343	57	307	12	3.8	17	68
26	3.6	27	290	398	92	324	50	132	10	4.1	19	31
27	10	20	230	263	646	322	51	80	9.8	3.0	15	23
28	14	25	190	188	1630	2300	58	96	9.7	2.8	11	21
29	13	51	160	154	1520	3810	50	272	9.9	6.9	8.9	19
30	10	38	140	132	---	2420	45	178	10	5.6	17	16
31	9.4	---	120	114	---	1550	---	94	---	4.8	20	---
TOTAL	141.78	779.6	10796	4001	8391	24389	12232	24858	695.3	278.6	398.9	599.0
MEAN	4.57	26.0	348	129	289	787	408	802	23.2	8.99	12.9	20.0
MAX	16	69	1060	511	1630	3810	1700	8480	64	23	27	69
MIN	.38	8.1	33	40	50	132	45	54	9.7	2.8	3.4	2.0
CFSM	.02	.13	1.71	.63	1.42	3.86	2.00	3.93	.11	.04	.06	.10
IN.	.03	.14	1.97	.73	1.53	4.45	2.23	4.53	.13	.05	.07	.11
AC-FT	281	1550	21410	7940	16640	48380	24260	49310	1380	553	791	1190

CAL YR 1983 TOTAL 95373.78 MEAN 261 MAX 7110 MIN .00 CFSM 1.28 IN. 17.39 AC-FT 189200
WTR YR 1984 TOTAL 87560.18 MEAN 239 MAX 8480 MIN .38 CFSM 1.17 IN. 15.97 AC-FT 173700

07363465 BIG CREEK NEAR PANSY, AR

LOCATION.--Lat 33°49'44", long 92°04'58", in NE 1/4 sec.24, T.10 S., R.10 W., Cleveland County, Hydrologic Unit 08040204, at bridge on State Highway 35, 1.0 mi upstream from Saline River and 5.0 mi west of Pansey.

DRAINAGE AREA.--157 mi².

PERIOD OF RECORD.--November 1983 to September 1984.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1983									
08...	1208	9	9827	9827	6.4	17.0	15.0	38	6.1
DEC									
13...	1216	9	9827	9827	5.6	10.0	10.0	27	8.3
JAN, 1984									
31...	1320	9	9827	9827	5.4	21.0	7.0	--	11.6
FEB									
14...	1215	9	9827	9827	5.4	22.0	12.0	35	7.9
MAR									
13...	1230	9	9827	9827	5.3	23.0	13.0	25	9.7
APR									
10...	1225	9	9827	9827	5.9	24.0	15.0	22	8.7
MAY									
22...	1235	9	9827	9827	6.2	30.0	22.0	32	6.5
JUN									
05...	1245	9	9827	9827	6.2	32.0	23.0	38	6.0
JUL									
17...	1250	9	9827	9827	6.5	26.0	26.0	25	2.5
AUG									
14...	1240	9	9827	9827	5.6	32.0	23.0	40	6.2
SEP									
11...	1236	9	9827	9827	6.1	32.0	25.0	--	5.7

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1983									
08...	1208	4.2	180	14	6.0	77	.10	38	.01
DEC									
13...	1216	2.1	290	13	4.0	67	.09	24	.02
JAN, 1984									
31...	1320	.4	K6	41	9.0	102	.14	6	.06
FEB									
14...	1215	1.6	440	22	6.0	90	.12	50	.05
MAR									
13...	1230	1.1	160	29	6.0	93	.13	28	.11
APR									
10...	1225	1.0	K10	25	5.0	80	.11	21	.04
MAY									
22...	1235	1.4	320	18	5.0	88	.12	22	--
JUN									
05...	1245	1.2	88	20	7.0	95	.13	23	.10
JUL									
17...	1250	4.8	160	12	4.0	72	.10	22	.04
AUG									
14...	1240	2.4	2100	13	5.0	87	.12	64	.15
SEP									
11...	1236	1.7	K340	18	6.0	92	.13	20	.07

07363465 BIG CREEK NEAR PANSY, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1983									
08...	1208	.030	.130	.010	0	3	<10	--	50
DEC									
13...	1216	.030	.050	--	0	1	18	27	--
JAN, 1984									
31...	1320	.050	.010	<.010	0	<1	11	3	60
FEB									
14...	1215	.050	--	.020	0	<1	17	3	80
MAR									
13...	1230	<.010	.090	.010	0	<1	<10	--	--
APR									
10...	1225	.040	.100	.010	0	<1	<10	2	--
MAY									
22...	1235	.110	.080	.030	0	2	11	8	60
JUN									
05...	1245	.170	--	.050	0	1	11	5	50
JUL									
17...	1250	--	.110	.020	0	<2	<10	11	30
AUG									
14...	1240	.030	.110	.040	0	<1	11	15	--
SEP									
11...	1236	--	.090	.040	0	<1	10	8	30

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
SEP, 1984								
11...	1236	<.002	<.002	<.004	<.002	.00	.00	.0

07363500 SALINE RIVER NEAR RYE, AR

LOCATION.--Lat 33°42'03", long 92°01'33", in SW 1/4 NW 1/4 sec.3, T.12 S., R.9 W., Bradley County, Hydrologic Unit 08040204, near left bank on downstream side of bridge on State Highway 15, 3.6 mi southwest of Rye, 5.8 mi upstream from Hudgin Creek, and at mile 71.0.

DRAINAGE AREA.--2,102 mi^2.

PERIOD OF RECORD.--August 1937 to current year.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.06 ft National Geodetic Vertical Datum of 1929. Prior to May 30, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--47 years, 2,591 ft^3/s, 16.74 in/yr, 1,877,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,500 ft^3/s May 18, 1968, gage height, 31.40 ft; minimum, 3.5 ft^3/s Sept. 27, 28, 1954, gage height, 3.84 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1927 reached a stage of 30.5 ft, discharge, about 73,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 7	2300	12,500	22.32
May 8	2200	*28,800	25.91

Minimum discharge, 19 ft^3/s Oct. 14, 15, 16, gage height, 4.35 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	80	758	2800	1990	5130	6110	990	1630	159	111	166
2	23	76	1200	2600	1600	5230	6470	1800	1620	166	114	181
3	22	78	3210	2500	1370	5220	7330	4860	1430	157	145	169
4	22	84	5730	2300	1250	5200	8550	7330	1080	152	199	165
5	25	79	5280	2100	1170	5650	9850	9570	841	135	235	161
6	24	68	4530	1900	1110	5630	11300	11800	713	128	421	155
7	23	67	3930	1800	1070	7300	12400	18500	664	120	1350	130
8	22	64	3550	1700	1030	7730	12200	27300	574	112	1830	113
9	21	62	3290	1600	981	7950	11200	28000	493	109	1820	118
10	21	63	3300	1540	985	7880	10200	24900	435	117	1490	160
11	21	63	4640	1540	1030	7580	9520	21400	397	151	4100	180
12	22	65	6050	1490	1790	7330	9030	18400	364	149	4700	163
13	21	65	6680	1460	4770	7430	8570	15800	334	143	4230	168
14	20	63	7280	1430	5610	7610	8020	13500	309	130	2770	168
15	19	65	7670	1430	5600	7700	7340	11600	277	100	1360	136
16	21	72	8000	1410	5460	7640	6570	10100	253	96	687	120
17	30	77	7300	1320	5330	7420	5900	8800	237	133	471	118
18	43	78	6800	1220	5100	7140	5370	7360	226	205	387	129
19	39	94	6100	1130	4920	6800	4950	4790	211	229	345	179
20	40	117	5700	1040	4930	6500	4270	1990	194	233	297	251
21	49	121	5600	977	5230	6300	3170	1310	177	247	311	239
22	120	123	6300	921	5650	6140	2640	1220	162	220	319	219
23	150	199	6400	971	5910	5860	2180	1080	161	188	278	207
24	161	312	6000	1890	5820	5420	1750	1000	178	180	245	228
25	154	279	5500	2360	5070	4840	1440	1040	171	176	216	930
26	147	291	5100	2680	3320	4260	1230	1100	184	160	186	1240
27	131	437	4600	2860	3510	3840	1110	1200	177	146	167	1090
28	116	873	4100	2880	4500	4020	1050	1340	162	138	169	837
29	103	996	3800	2880	4920	4840	1060	1410	162	134	173	637
30	94	772	3400	2770	---	5410	1040	1610	161	121	187	485
31	86	---	3100	2460	---	5800	---	1640	---	110	190	---
TOTAL	1813	5883	154898	57959	101026	193800	181820	262740	13977	4744	29503	9242
MEAN	58.5	196	4997	1870	3484	6252	6061	8475	466	153	952	308
MAX	161	996	8000	2880	5910	7950	12400	28000	1630	247	4700	1240
MIN	19	62	758	921	981	3840	1040	990	161	96	111	113
CFSM	.03	.09	2.38	.89	1.66	2.97	2.88	4.03	.22	.07	.45	.15
IN.	.03	.10	2.74	1.03	1.79	3.43	3.22	4.65	.25	.08	.52	.16
AC-FT	3600	11670	307200	115000	200400	384400	360600	521100	27720	9410	58520	18330

```
CAL YR 1983  TOTAL   1144549   MEAN   3136  MAX   37200  MIN   19  CFSM  1.49  IN.  20.26  AC-FT 2270000
WTR YR 1984  TOTAL   1017405   MEAN   2780  MAX   28000  MIN   19  CFSM  1.32  IN.  18.01  AC-FT 2018000
```

07364012 SALINE RIVER NEAR FOUNTAIN HILL, AR

LOCATION.--Lat 33°22'42", long 91°57'55", in sec.30, T.15 S., R.8 W., Ashley County, Hydrologic Unit 08040204, at bridge on State Highway 160, 8.0 mi west of Fountain Hill.

PERIOD OF RECORD.--January 1972 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
25...	1400	9	9827	9827	200	7.0	19.0	20.0	5.0	6.8
NOV										
21...	1241	9	9827	9827	157	7.0	24.0	11.0	5.0	9.0
JAN, 1984										
10...	1353	9	9827	9827	2000	6.7	5.0	6.0	15	12.1
17...	1345	9	9827	9827	1720	6.7	5.0	4.0	8.0	12.6
FEB										
07...	1321	9	9827	9827	1390	6.6	15.0	9.0	9.0	11.5
MAR										
06...	1428	9	9827	9827	8620	6.1	11.0	10.0	30	8.9
APR										
10...	1346	9	9827	9827	13300	6.3	21.0	16.0	20	6.8
MAY										
08...	1425	9	9827	9827	35500	5.9	24.0	20.0	20	6.3
JUN										
05...	1455	9	9827	9827	1090	7.0	30.0	27.0	20	8.6
JUL										
17...	1438	9	9827	9827	173	--	30.0	30.0	7.5	7.0
AUG										
14...	1520	9	9827	9827	3600	6.2	25.0	25.0	20	6.1
SEP										
11...	1530	9	9827	9827	234	8.1	28.0	28.0	--	8.2

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
25...	1400	1.4	24	29	7.5	97	.13	8	.02
NOV									
21...	1241	2.2	72	15	8.0	79	.11	10	.03
JAN, 1984									
10...	1353	<1.0	32	23	7.5	87	.12	16	.18
17...	1345	1.4	8	23	--	84	.11	8	--
FEB									
07...	1321	1.3	12	--	6.5	96	.13	7	.10
MAR									
06...	1428	1.3	110	11	3.0	72	.10	18	--
APR									
10...	1346	1.7	60	8.0	3.5	73	.10	13	.03
MAY									
08...	1425	2.2	80	9.0	2.5	67	.09	18	.04
JUN									
05...	1455	2.5	100	18	4.0	--	--	14	.21
JUL									
17...	1438	1.9	160	57	--	145	.20	10	.05
AUG									
14...	1520	1.9	110	--	4.5	63	.09	18	--
SEP									
11...	1530	2.4	20	9.0	5.5	89	.12	11	.08

07364012 SALINE RIVER NEAR FOUNTAIN HILL, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UC/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
25...	1400	.130	.040	.010	0	<1	30	16	20
NOV									
21...	1241	<.010	.060	.010	0	--	22	18	--
JAN, 1984									
10...	1353	--	.050	.010	--	1	21	26	40
17...	1345	--	.040	--	0	1	17	--	20
FEB									
07...	1321	.050	.030	<.010	0	<1	21	10	30
MAR									
06...	1428	.070	.120	.020	0	<1	47	23	40
APR									
10...	1346	<.010	.070	--	1	<1	26	--	30
MAY									
08...	1425	.030	.110	.040	0				
JUN									
05...	1455	.010	--	<.010	0	<1	28	28	--
JUL									
17...	1438	<.010	--	.020	0	<1	42	--	--
AUG									
14...	1520	<.010	.070	.040	0	<1	24	--	20
SEP									
11...	1530	.030	.120	.050	0	2	57	--	20

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
JUL, 1984									
17...	1438	.000	.000	<.010	.000	.000	.00	<.01	.0

07364115 BAYOU BARTHOLOMEW NEAR LADD, AR

LOCATION.--Lat 34°06'24", long 91°54'06", in NW 1/2 sec.22, T.7 S., R.8 W., Jefferson County, Hydrologic Unit 08040205, at bridge on county road, 2.2 mi south of Ladd.

PERIOD OF RECORD.--May 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1983										
18...	1115	9	9827	9827	26	6.7	25.0	20.0	80	4.5
NOV										
08...	1315	9	9827	9827	35	7.2	20.0	16.0	25	7.9
DEC										
13...	1305	9	9827	9827	880	6.4	7.0	10.0	65	6.8
JAN, 1984										
31...	1430	9	9827	9827	222	6.4	14.0	9.0	--	10.4
FEB										
14...	1310	9	9827	9827	760	6.0	22.0	15.0	100	6.6
MAR										
13...	1315	9	9827	9827	510	6.1	18.0	15.0	45	9.0
APR										
10...	1312	9	9827	9827	440	6.7	16.0	16.0	35	6.7
MAY										
22...	1325	9	9827	9827	--	6.6	28.0	25.0	70	3.4
JUN										
05...	1336	9	9827	9827	74	6.8	31.0	27.0	35	6.1
JUL										
17...	1345	9	9827	9827	59	7.2	28.0	29.0	40	6.1
AUG										
14...	1326	9	9827	9827	126	7.0	31.0	27.0	45	4.0
SEP										
11...	1326	9	9827	9827	108	7.3	30.0	28.0	--	8.4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1983									
18...	1115	--	760	8.0	6.5	105	.14	56	.18
NOV									
08...	1315	2.3	200	9.0	14	108	.15	38	.01
DEC									
13...	1305	1.8	300	7.0	4.0	84	.11	30	.11
JAN, 1984									
31...	1430	2.6	--	16	7.5	82	.11	20	.22
FEB									
14...	1310	3.1	490	8.0	6.0	131	.18	57	.17
MAR									
13...	1315	1.7	230	8.0	4.5	86	.12	28	.11
APR									
10...	1312	2.0	100	11	5.5	82	.11	30	.17
MAY									
22...	1325	1.9	300	13	4.5	121	.16	51	--
JUN									
05...	1336	3.9	10	17	12	101	.14	50	.05
JUL									
17...	1345	3.6	--	9.0	20	145	.20	61	.07
AUG									
14...	1326	2.1	70	7.0	7.0	98	.13	52	.26
SEP									
11...	1326	2.4	45	5.0	8.0	114	.16	23	--

07364115 BAYOU BARTHOLOMEW NEAR LADD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1983									
18...	1115	.290	.240	.070	0	3	17	13	--
NOV									
08...	1315	.030	.110	.020	0	3	10	--	50
DEC									
13...	1305	.090	.230	--	0	6	13	32	--
JAN, 1984									
31...	1430	.060	.130	.050	2	1	10	6	60
FEB									
14...	1310	.230	--	.140	0	4	22	11	90
MAR									
13...	1315	.070	.150	.070	0	<1	13	--	--
APR									
10...	1312	.110	.230	.110	0	2	19	3	--
MAY									
22...	1325	.310	.450	.340	0	10	15	20	140
JUN									
05...	1336	.110	--	.120	0	1	15	24	70
JUL									
17...	1345	--	.180	.040	0	<1	13	16	60
AUG									
14...	1326	.100	.270	.140	0	<1	21	16	--
SEP									
11...	1326	.040	.150	.070	0	1	16	9	40

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
NOV, 1983									
08...	1315	.000	.000	.000	.000	.000	.00	.00	.0
JAN, 1984									
31...	1430	.000	.000	.000	.000	.000	.00	.00	.0
APR									
10...	1312	.000	.000	.000	.000	.000	.00	.00	.0
SEP									
11...	1326	.000	.000	.000	.000	.000	.00	<.01	.0

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE, AR

LOCATION.--Lat 33°37'40", long 91°26'45", in NE 1/4 SW 1/4 sec.30, T.12 S., R.3 W., Desha County, Hydrologic Unit 08050001, near center of stream on downstream side of bridge on State Highway 4, 2.7 mi west of McGehee, 17.5 mi downstream from Ables Creek, and at mile 200.5.

DRAINAGE AREA.--576 mi^2.

PERIOD OF RECORD.--October 1938 to September 1942, October 1945 to current year. Gage-height records collected and occasional discharge measurements made by Corps of Engineers at this site since August 1938. Daily stages 1940 to date and results of discharge measurements 1938, 1947 to date are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 120.48 ft National Geodetic Vertical Datum of 1929, supplementary adjustment of 1941. Prior to Sept. 7, 1949, nonrecording gage at same site. October 1938 to June 6, 1972, at datum 1.00 ft higher. Since Jan. 20, 1971, auxiliary water-stage recorder 14 mi upstream.

REMARKS.--Records good except those for the period of no gage-height record, Nov. 28 to Jan. 9, which are fair.

AVERAGE DISCHARGE.--43 years (1939-42, 1946-84), 679 ft^3/s, 16.01 in/yr, 491,900 acre ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,870 ft^3/s May 11, 1958, gage height, 25.49 ft, present datum; minimum, 0.20 ft^3/s Aug. 15-23, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1930, that of May 11, 1958. Flood in 1932 reached a stage of 23.4 ft, present datum, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,500 ft^3/s Dec. 14; maximum gage height, 18.80 ft Dec. 14; minimum discharge, 20 ft^3/s Nov. 2, 3, 4, 10, 11, 12, July 17, 25, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198	21	870	1600	937	1300	830	730	496	129	60	190
2	167	21	930	1400	893	1300	830	727	380	109	45	172
3	131	20	1400	1300	851	1300	890	879	299	87	75	150
4	101	21	1900	1200	801	1300	960	1010	278	70	299	128
5	75	21	2200	1000	750	1400	1010	1120	235	57	642	114
6	58	21	2400	970	704	1600	1050	1290	222	48	718	109
7	45	22	2500	900	659	1600	1090	1570	317	41	682	85
8	37	21	2700	830	609	1600	1210	1990	326	38	618	80
9	31	21	2800	770	563	1500	1360	2320	315	38	612	82
10	27	21	2900	745	553	1500	1460	2580	291	37	654	86
11	24	20	3200	700	551	1500	1520	2790	298	35	711	88
12	23	21	3400	680	747	1400	1530	2980	316	32	706	87
13	22	21	3400	640	1120	1400	1500	3110	327	30	674	83
14	21	21	3500	600	1310	1300	1440	3190	332	27	652	77
15	21	21	3400	560	1420	1300	1360	3210	320	25	650	78
16	21	21	3400	520	1520	1300	1270	3190	285	22	647	86
17	22	21	3400	480	1620	1400	1180	3130	240	23	621	94
18	23	21	3300	430	1710	1400	1090	3030	191	30	586	92
19	26	22	3200	378	1750	1400	1010	2900	144	35	551	80
20	29	30	3100	335	1750	1400	918	2740	108	33	505	77
21	32	31	3000	318	1700	1300	842	2550	83	28	456	69
22	33	30	3000	289	1620	1300	786	2340	68	26	410	62
23	32	98	2900	270	1500	1200	747	2110	57	23	352	57
24	30	272	2700	401	1400	1200	743	1870	50	22	301	54
25	28	480	2600	627	1400	1100	767	1650	45	20	258	51
26	26	571	2400	707	1300	1000	791	1440	50	22	234	49
27	25	638	2300	795	1300	980	808	1240	77	28	224	47
28	24	710	2200	870	1300	940	805	1090	102	57	221	46
29	23	730	2000	929	1300	870	790	920	142	82	221	46
30	22	820	1800	960	---	850	766	752	145	86	218	46
31	21	---	1700	963	---	840	---	613	---	76	208	---
TOTAL	1398	4809	80500	23167	33638	39780	31353	61061	6539	1416	13811	2565
MEAN	45.1	160	2597	747	1160	1283	1045	1970	218	45.7	446	85.5
MAX	198	820	3500	1600	1750	1600	1530	3210	496	129	718	190
MIN	21	20	870	270	551	840	743	613	45	20	45	46
CFSM	.08	.28	4.51	1.30	2.01	2.23	1.81	3.42	.38	.08	.77	.15
IN.	.09	.31	5.20	1.50	2.17	2.57	2.02	3.94	.42	.09	.89	.17
AC-FT	2770	9540	159700	45950	66720	78900	62190	121100	12970	2810	27390	5090

CAL YR 1983 TOTAL 334300.7 MEAN 916 MAX 4450 MIN 8.8 CFSM 1.59 IN 21.59 AC-FT 663100
WTR YR 1984 TOTAL 300037.0 MEAN 820 MAX 3500 MIN 20 CFSM 1.42 IN 19.38 AC-FT 595100

07364600 BAYOU DE LOUTRE NEAR EL DORADO, AR

LOCATION.--Lat 33°05'55", long 92°35'32", in SE 1/4 NW 1/4 sec.6, T.19 S., R.14 W., Union County, Hydrologic Unit 08040202, at bridge on county road, 0.8 mi downstream from Highbank Creek, and 8.5 mi southeast of El Dorado.

PERIOD OF RECORD.--October 1970 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1983											
11...	0835	9	9827	9827	--	7.5	20.0	19.0	4.4	3.7	--
NOV											
21...	0924	9	9827	9827	--	6.6	17.0	12.0	45	5.2	--
JAN, 1984											
10...	0840	9	9827	9827	--	6.7	4.0	8.0	4.0	7.9	--
17...	0915	9	9827	9827	37	6.8	1.0	2.0	5.0	11.3	39
FEB											
07...	0849	9	9827	9827	--	6.6	3.0	4.0	5.0	10.5	--
MAR											
06...	0900	9	9827	9827	--	6.0	6.0	9.0	25	7.9	--
APR											
10...	0900	9	9827	9827	--	6.6	22.0	11.0	20	5.0	--
MAY											
08...	0914	9	9827	9827	--	6.8	17.0	20.0	25	3.6	--
JUN											
05...	0915	9	9827	9827	--	7.5	28.0	24.0	25	3.6	--
JUL											
17...	0932	9	9827	9827	--	--	26.0	26.0	20	4.0	--
AUG											
14...	0945	9	9827	9827	--	7.2	24.0	24.0	20	4.2	--
SEP											
11...	0900	9	9827	9827	--	7.0	28.0	26.0	--	3.6	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1983										
11...	0835	.8	350	110	2600	5210	7.1	14	.95	.110
NOV										
21...	0924	1.0	950	64	1200	2110	2.9	10	1.2	.130
JAN, 1984										
10...	0840	1.7	64	60	740	1350	1.8	6	.38	--
17...	0915	1.4	44	57	--	1250	1.7	8	--	--
FEB										
07...	0849	1.8	60	--	720	1520	2.1	6	.87	.300
MAR										
06...	0900	1.0	190	13	68	195	.27	12	--	.070
APR										
10...	0900	2.3	400	19	30	601	.82	16	.30	.100
MAY										
08...	0914	2.7	570	30	290	626	.85	21	.44	.430
JUN										
05...	0915	5.8	70	85	300	--	--	32	.08	.050
JUL										
17...	0932	--	3400	62	--	1040	1.4	22	.28	.230
AUG										
14...	0945	4.6	210	--	850	1630	2.2	26	--	.090
SEP										
11...	0900	1.8	760	100	570	1230	1.7	23	1.1	.320

07364600 BAYOU DE LOUTRE NEAR EL DORADO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)
OCT, 1983										
11...	0835	--	.130	.050	--	0	--	41	19	--
NOV										
21...	0924	--	--	.050	<5	0	--	17	20	<5
JAN, 1984										
10...	0840	--	.080	.020	--	--	3	<10	29	--
17...	0915	.50	.070	--	--	0	4	20	--	--
FEB										
07...	0849	--	.100	.020	<5	2	<1	23	41	<5
MAR										
06...	0900	--	.180	.070	--	0	2	20	16	--
APR										
10...	0900	--	.220	--	<5	1	2	35	--	<5
MAY										
08...	0914	--	.330	.260	--	0	--	--	--	--
JUN										
05...	0915	--	--	.160	--	0	<1	28	77	--
JUL										
17...	0932	--	--	.100	--	0	3	31	--	--
AUG										
14...	0945	--	.230	.080	<5	0	3	22	--	<5
SEP										
11...	0900	--	.240	.120	--	0	3	30	--	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
OCT, 1983										
11...	0835	30	--	--	--	--	--	--	--	--
JAN, 1984										
10...	0840	70	--	--	--	--	--	--	--	--
17...	0915	80	--	--	--	--	--	--	--	--
FEB										
07...	0849	100	--	--	--	--	--	--	--	--
MAR										
06...	0900	50	--	--	--	--	--	--	--	--
APR										
10...	0900	60	--	--	--	--	--	--	--	--
JUL										
17...	0932	--	.000	.000	.000	.000	.000	.00	<.01	.0
AUG										
14...	0945	30	--	--	--	--	--	--	--	--
SEP										
11...	0900	60	--	--	--	--	--	--	--	--

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR

LOCATION.--Lat 33°02'21", long 92°56'15", in SW 1/4 NW 1/4 sec.36, T.19 S., R.18 W., Union County, Hydrologic Unit 08040206, on left bank at downstream side of bridge on State Highway 15, 3.4 mi downstream from Pidgeon Roost Creek, and 6.0 mi southwest of town of Three Creeks.

DRAINAGE AREA.--180 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1956 to current year.

GAGE.--Water-stage recorder. Prior to Oct. 29, 1959, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--28 years, 174 ft^3/s, 13.13 in/yr, 126,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft^3/s June 8, 1974, gage height, 17.50 ft, from rating curve extended above 11,000 ft^3/s on basis of contracted-opening measurement at 35,800 ft^3/s; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1880, that of June 8, 1974.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 5	0500	1,440	10.30
Feb. 14	0200	*2,740	10.86
June 29	0400	2,300	10.50

No flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	.00	12	31	56	798	472	89	5.9	641	.37	.00
2	.32	.00	7.2	30	45	570	263	193	5.3	345	.74	.00
3	.22	.00	141	40	46	536	270	389	6.4	123	2.3	.00
4	.14	.00	649	51	54	833	416	568	7.6	30	3.9	.02
5	.05	.00	1330	55	54	1100	525	637	7.6	12	5.1	1.4
6	.00	.00	978	52	44	1300	513	444	9.7	18	2.1	2.8
7	.00	.38	623	45	33	1150	319	174	42	52	1.4	1.0
8	.00	1.9	272	35	27	862	173	93	53	26	4.2	.12
9	.00	3.6	86	28	28	625	131	53	41	6.4	3.5	.00
10	.00	3.2	64	45	107	441	175	44	21	27	10	.00
11	.00	3.5	490	126	324	256	199	33	11	40	61	.00
12	.00	3.6	985	195	770	195	200	22	7.3	6.8	30	.07
13	.00	3.3	1000	196	2060	263	215	16	5.3	1.6	9.8	.74
14	.00	2.7	924	129	2280	322	175	15	5.3	.68	1.6	.66
15	.00	2.1	667	81	1270	377	102	351	5.5	.19	1.6	.06
16	.00	3.0	444	61	865	339	58	361	5.5	.31	3.4	.00
17	.00	4.0	250	56	620	308	40	78	25	7.8	1.4	.36
18	.00	4.3	163	63	526	440	34	27	66	12	.56	.42
19	.00	5.7	157	80	482	625	52	17	24	2.6	.09	.00
20	.00	15	167	74	355	690	234	34	14	.28	.10	.00
21	.00	21	179	51	224	568	448	77	5.4	.04	.21	.00
22	.00	16	341	30	151	359	565	53	3.2	.00	.66	.00
23	.00	11	448	67	111	180	466	41	2.7	.00	2.6	.00
24	.00	10	350	259	92	113	225	34	2.3	.00	27	.00
25	.00	25	250	358	75	133	81	26	1.9	.00	61	.00
26	.00	13	150	374	90	223	43	21	1.5	.00	16	.20
27	.00	12	66	314	419	244	27	16	80	.00	2.4	.34
28	.00	64	55	204	688	275	23	13	666	.00	.38	.38
29	.00	56	55	128	957	703	25	10	2030	.00	.01	.31
30	.00	30	65	92	---	969	38	8.4	1180	.00	.06	.23
31	.00	---	54	74	---	689	---	7.3	---	.00	.00	---
TOTAL	1.18	314.28	11422.2	3424	12853	16486	6507	3944.7	4341.4	1352.70	253.48	9.11
MEAN	.04	10.5	368	110	443	532	217	127	145	43.6	8.18	.30
MAX	.45	64	1330	374	2280	1300	565	637	2030	641	61	2.8
MIN	.00	.00	7.2	28	27	113	23	7.3	1.5	.00	.00	.00
CFSM	.00	.06	2.04	.61	2.46	2.96	1.21	.71	.81	.24	.05	.00
IN.	.00	.06	2.36	.71	2.66	3.41	1.34	.82	.90	.28	.05	.00
AC-FT	2.3	623	22660	6790	25490	32700	12910	7820	8610	2680	503	18

CAL YR 1983	TOTAL	63463.24	MEAN	174	MAX	2560	MIN	.00	CFSM	.97	IN.	13.12	AC-FT	125900
WTR YR 1984	TOTAL	60909.05	MEAN	166	MAX	2280	MIN	.00	CFSM	.92	IN.	12.59	AC-FT	120800

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1950 to September 1962, October 1970 to April 1974, October 1979 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: May 1950 to September 1955, February 1956 to July 1962.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT, 1983 11...	1344	9	9827	9827	.00	6.7	29.0	20.0	20	.2
NOV 15...	1345	9	9827	9827	2.0	6.6	20.0	14.0	4.5	5.5
DEC 06...	1500	9	9827	9827	932	5.4	10.0	12.0	15	7.5
JAN, 1984 24...	1500	9	9827	9827	299	5.5	9.0	4.0	30	11.4
MAR 20...	1445	9	9827	9827	708	5.5	17.0	16.0	15	6.7
APR 24...	1521	9	9827	9827	191	5.8	26.0	19.0	8.8	5.8
MAY 22...	1517	9	9827	9827	51	--	33.0	24.0	30	5.1
JUN 19...	1510	9	9827	9827	21	6.1	34.0	28.0	40	4.4
JUL 31...	1602	9	9827	9827	.00	6.1	32.0	25.0	25	2.3
AUG 28...	1545	9	9827	9827	.27	--	35.0	26.0	25	4.4
SEP 25...	1550	9	9827	9827	.00	6.3	35.0	26.0	9.0	5.2

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1983 11...	1344	2.3	12	2.0	140	309	.42	10	.04	.070
NOV 15...	1345	2.1	170	2.0	28	125	.17	2	.01	<.010
DEC 06...	1500	2.0	550	9.0	7.0	277	.38	10	.04	.070
JAN, 1984 24...	1500	2.4	140	12	9.0	220	.30	29	.12	.060
MAR 20...	1445	1.3	310	8.0	73	183	.25	10	.03	.010
APR 24...	1521	1.6	70	9.0	90	257	.35	10	.06	.050
MAY 22...	1517	1.2	250	6.0	50	--	--	21	.07	.170
JUN 19...	1510	2.7	290	6.0	81	243	.33	40	.12	.100
JUL 31...	1602	1.4	60	--	150	315	.43	13	--	--
AUG 28...	1545	1.3	70	6.0	85	247	.34	20	.12	.060
SEP 25...	1550	2.7	76	4.0	19	181	.25	5	.07	.030

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1983 11...	1344	.040	<.010	--	0	--	31	35	--	20
NOV 15...	1345	.050	.010	<5	0	<1	17	20	<5	0
DEC 06...	1500	.040	<.010	--	1	2	41	--	--	90
JAN, 1984 24...	1500	.080	.030	--	0	2	--	--	--	--
MAR 20...	1445	.130	.010	--	2	2	58	63	--	110
APR 24...	1521	.100	.020	<5	1	<1	49	22	<5	90
MAY 22...	1517	.090	.040	--	0	3	50	--	--	--
JUN 19...	1510	--	.040	--	1	2	73	--	--	70
JUL 31...	1602	.090	--	<5	2	1	51	47	<5	100
AUG 28...	1545	.070	.070	--	0	--	--	--	--	90
SEP 25...	1550	.080	.030	--	0	2	32	53	--	20

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)
JUL, 1984 31...	1602	.000	.000	.000	.000	.000	.00	.00	.0

Crest-Stage Partial-Record Stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation of each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but it is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations

					Annual maximum		
Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		St. Francis River basin					
07047200	Ditch No. 45 near Lepanto, Ar.	Lat 35°36'46", long 90°22'30", in SW 1/4 SW 1/4 sec.32, T.12 N., R.7 E., Poinsett County, at culvert on U.S. Highway 14, 2.5 mi west of Lepanto.	2.16	1962-84	03-05-84	7.90	143
07047820	Murray Creek near Jonesboro, Ar.	Lat 35°51'52", long 90°38'26", in SW 1/4 SW 1/4 sec.2, T.14 N., R.4 E., Craighead County, at culvert on U.S. Highway 49, 4.0 mi northeast of Jonesboro.	1.38	1960-84	No Peak 1984 WY		
07047880	Pope Creek tributary at Birdeye, Ar.	Lat 35°22'35", long 90°42'02", in NE 1/4 SE 1/4 sec.30, T.9 N., R.4 E., Cross County, at culvert on State Highway 42, 0.9 mi west of Birdeye.	.08	1963-84	04-08-84	4.12	48
		White River basin					
07047990	West Fork White River tributary near Greenland, Ar.	Lat 35°58'22", long 94°09'56", in NW 1/4 SE 1/4 sec.16, T.15 N., R.30 W., Washington County, at culvert on U.S. Highway 71, 1.5 mi south of Greenland.	.67	1960-84	05-07-84	5.40	135
07049000	War Eagle Creek near Hindsville, Ar.	Lat 36°12'02", long 93°51'20", in SE 1/4 NE 1/4 sec.28, T.18 N., R.27 W., Madison County, on left bank about 800 ft above bridge on State Highway 45, 3.9 miles north of Hindsville.	262	1953-70† 1971-77 1984	05-08-84	13.31	7,500
07050500	Kings River near Berryville, Ar.	Lat 36°25'36", long 93°37'15", in SE 1/4 NE 1/4 sec.3, T.20 N., R.25 W., Carroll County, on right bank at downstream side of bridge on State Highway 143, 5.3 mi northwest of Berryville.	527	1939-75† 1976-84	01-22-84	29.23	36,800
07054450	East Sugarloaf Creek tributary near Lead Hill, Ar.	Lat 36°22'28", long 92°49'52", in NW 1/4 NW 1/4 sec.19, T.20 N., R.17 W., Marion County, at culvert on State Highway 14, 5.0 mi southeast of Lead Hill.	.85	1962-84	03-04-84	7.57	227
07055000	White River near Flippin, Ar.	Lat 36°18'35", long 92°33'28", in NE 1/4 NW 1/4 sec.10, T.19 N., R.15 W., Marion County, on right bank 1.4 mi upstream from Hightower Creek, 3.2 mi northeast of Flippin.	6,081	1928-80† 1981-84	12-25-83	12.94	26,600
07055550	Crooked Creek tributary near Dogpatch, Ar.	Lat 36°09'01", long 93°07'23", in SW 1/4 SW 1/4 sec.4, T.17 N., R.20 W., Boone County, at culvert on State Highway 7, 2.9 mi north of Dogpatch. Prior to 1967 published as Crooked Creek tributary near Marble Falls.	4.36	1961-84	03-04-84	8.92	900
07057300	Dodd Creek tributary near Mountain Home, Ar.	Lat 36°19'05", long 92°24'01", in NE 1/4 SW 1/4 sec.17, T.19 N., R.13 W., Baxter County, at culvert on U.S. Highway 62, 1.5 mi southwest of Mountain Home. Prior to 1966 published as Big Creek tributary near Mountain Home.	.76	1961-84	09-09-84	10.00	235

† Operated as a continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		White River basin--Continued					
07060600	Band Mill Creek near Brockwell, Ar.	Lat 36°08'02", long 91°58'48", in SE 1/4 SE 1/4 sec.7, T.17 N., R.9 W., Izard County, at culvert on State Highway 56, 3.1 mi west of Brockwell.	1.25	1961-84	No Peak 1984 WY		
07061000	White River at Batesville, Ar.	Lat 35°45'35", long 91°38'28", in NE 1/4 NW 1/4 sec.21, T.13 N., R.6 W., Independence County, at bridge on U.S. Highway 167 in Batesville.	11,070	1978-84	05-08-84	14.20	57,700
07061100	Gibbs Creek at Sulphur Rock, Ar.	Lat 35°45'32", long 91°30'52", in SE 1/4 SW 1/4 sec.15, T.13 N., R.5 W., Independence County, at culvert on State Highway 69, 0.9 mi west of Sulphur Rock.	3.90	1962-84	10-22-83	9.21	1,050
07069000	Black River at Pocahontas, Ar.	Lat 36°15'14", long 90°58'12", in SW 1/4 SW 1/4 sec.27, T.19 N., R.1 E., Randolph County, at bridge on U.S. Highway 67 at Pocahontas.	4,845	1937-70†	04-03-79	22.42	[a]35,500
				1971-78,	04-02-80	13.07	[a]10,100
				1981-84	04-11-84	18.34	15,400
07069250	Brush Creek near Mammoth Spring, Ar.	Lat 36°25'36", long 91°29'27", in SE 1/4 SE 1/4 sec.34, T.21 N., R.5 W., Fulton County, at culvert on U.S. Highway 63, 5.5 mi southeast of Mammoth Spring. Prior to 1967 published as Spring River tributary near Mammoth Spring.	.48	1961-84	No Peak 1984 WY		
07072200	Hubble Creek near Pocahontas, Ar.	Lat 36°15'32", long 91°02'02", in SE 1/4 SW 1/4 sec.25, T.19 N., R.1 W., Randolph County, at culvert on U.S. Highway 62, 3.4 mi west of Pocahontas. Prior to published as Eleven Point River tributary near Pocahontas.	1.33	1961-84	05-07-84	9.24	570
07074420	Black River at Elgin Ferry, Ar.	Lat 35°45'51", long 91°17'40", in NW 1/4 SE 1/4 sec.15, T.13 N., R.3 W., Jackson County, on left bank 500 ft downstream from State Highway 37 at Elgin Ferry.	8,418	1979-84	05-10-84	22.58	31,000
07074850	White River near Augusta, Ar.	Lat 35°18'02", long 91°23'35", in SE 1/4 SE 1/4 sec.22, T.8 N., R.4 W., Woodruff County, on left bank of Taylor Bay 0.5 mi upstream from White River 10.7 mi upstream from bridge on U.S. Highway 64 and 1.5 mi northwest of Augusta.	20,464	1983-84	05-11-84	32.24	67,300
07074900	Trace Creek tributary near Marshall, Ar.	Lat 35°52'14", long 92°36'08", in NE 1/4 SW 1/4 sec.8, T.14 N., R.15 W., Searcy County, at culvert on U.S. Highway 65, 3.2 mi south of Marshall.	.26	1961-84	05-10-84	8.39	107
07075600	Choctaw Creek tributary near Choctaw, Ar.	Lat 35°31'36", long 92°25'02", in SE 1/4 SW 1/4 sec.6, T.10 N., R.13 W., Van Buren County, at culvert on State Highway 330, 1.4 mi east of Choctaw.	1.36	1964-84	05-08-84	8.01	130
07075800	Dill Branch tributary near Ida, Ar.	Lat 35°32'33", long 91°57'34", in SW 1/4 NE 1/4 sec.33, T.11 N., R.9 W., Cleburne County, at culvert on State Highway 25, 3.5 mi southwest of Ida. Prior to 1975 published as Peter Creek tributary near Ida.	.26	1964-84	No Peak 1984 WY		
07076000	Little Red River near Heber Springs, Ar.	Lat 35°31'02", long 91°59'50", in NE 1/4 sec.7, T.10 N., R.9 W., Cleburne County, on right bank 1,600 ft downstream from Greers Ferry Dam, 3.0 mi northeast of Heber Springs.	1,153	1927-80† 1981-84	09-11-84	16.35	8,470

† Operated as a continuous-record gaging station.

[a] Not previously published.

BEST COPY AVAILABLE

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		White River basin--Continued					
07076750	White River at Georgetown, Ar.	Lat 35°07'45", long 91°27'00", in SW 1/4 SW 1/4 sec.20, T.6 N., R.4 W., on right bank at Georgetown.	22,387	1978-84	05-13-84	21.68	66,000
07076870	Pigeon Roost Creek at Butlerville, Ar.	Lat 34°58'36", long 91°50'38", in NW 1/4 NE 1/4 sec.15, T.4 N., R.8 W., Lonoke County, at bridge on State Highway 38, 0.6 mi west of Butlerville.	23.0	1961-84	05-03-84	10.54	1,800
07077200	Big Creek tributary near Boydsville, Ar.	Lat 36°22'32", long 90° 19'56", in SE 1/4 SW 1/4 sec.9, T.20 N., R.7 E., Clay County, at culvert on county road, 0.1 mi west of Crockett, and 4.1 mi northeast of Boydsville.	1.58	1962-84	05-08-84	9.65	730
07077340	Sugar Creek tributary near Walcott, Ar.	Lat 36°04'26", long 90°36'55", in NW 1/4 SW 1/4 sec.25, T.17 N., R.4 E., Greene County, at culvert on U.S. Highway 412, 3.2 mi east of junction of State Highway 25 and 141, and 3.9 mi northeast of Walcott.	.68	1963-84	05-07-84	7.54	290
07077430	Willow Ditch near Egypt, Ar.	Lat 35°56'29", long 90°56'33", in SW 1/4 SW 1/4 sec.12, T.15 N., R.1 E., Lawrence County, at culvert on State Highway 91, 5.1 mi north of Egypt.	.48	1963-84	12-03-84	4.61	22
07077920	Big Creek at Goodwin, Ar.	Lat 34°56'22", long 91°00'55", in NE 1/4 NE 1/4 sec.29, T.4 N., R.1 E., St. Francis County, at bridge on U.S. Highway 70, 0.3 mi east of Goodwin.	31.1	1961-84	05-03-84	9.63	750
07078210	Tarleton Creek tributary at Ethel, Ar.	Lat 34°18'02", long 91°09'45", in NW 1/4 SE 1/4 sec.31, T.4 S., R.1 W., Arkansas County, at culvert on State Highway 17, 1.0 mi north of Ethel.	.20	1963-84	12-03-83	4.64	53
		Arkansas River basin					
07195450	Ballard Creek at Summers, Ar.	Lat 35°58'42", long 94°29'56", in SW 1/4 SW 1/4 sec.16, T.15 N., R.33 W., Washington County, at bridge on U.S. Highway 62, 0.4 mi west of Summers.	14.6	1963-84	04-09-84	6.82	1,450
07249447	Mill Creek at Fort Smith, Ar.	Lat 35°20'34", long 94°25'20", in NW 1/4 NW 1/4 sec.33, T.8 N., R.32 W., Sebastian County, on right bank 30 ft upstream from bridge on Towson Avenue in Fort Smith.	10	1981-84	07-11-84	32.16	900
07249457	May Branch at Fort Smith, Ar.	Lat 35°22'30", long 94°23'51", in NE 1/4 SW 1/4 sec.15, T.8 N., R.32 W., Sebastian County, on upstream side of bridge on Free Ferry Road in Fort Smith.	1.0	1981-84	11-22-83	66.35	320
07249500	Cove Creek near Lee Creek, Ar.	Lat 35°43'20", long 94°24'28", in SW 1/4 NW 1/4 sec.16, T.12 N., R.32 W., Crawford County, at bridge on U.S. Forest Service road, 4.5 mi northwest of Lee Creek.	35.3	1951-70† 1971-84	05-07-84	^{b}8.72	4,740
07250515	Sunnymede Creek at Fort Smith, Ar.	Lat 35°23'46", long 94°22'23", in NW 1/4 NE 1/4 sec.11, T.8 N., R.32 W., Sebastian County, on left bank 100 ft downstream from bridge on North 52nd Street in Fort Smith.	1.5	1981-84	05-06-84	4.50	70

† Operated as a continuous-record gaging station.
b From floodmark.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Arkansas River basin--Continued					
07251500	Frog Bayou at Rudy, Ar.	Lat 35°31'32", long 94°16'18", in SW 1/4 SW 1/4 sec.23, T.10 N., R.31 W., Crawford County, at bridge on State Highway 282 at Rudy.	216	1951-70† 1971-84	05-07-84	10.90	9,500
07252200	North Fork White Oak Creek tributary near Watalula, Ar.	Lat 35°35'43", long 93°50'49", in SE 1/4 NE 1/4 sec.27, T.11 N., R.27 W., Franklin County, at culvert on State Highway 23, 2.2 mi northwest of Watalula.	.46	1961-84	No Peak 1984 WY		
07256500	Spadra Creek at Clarksville, Ar.	Lat 35°28'06", long 93°27'46", in NW 1/4 NE 1/4 sec.5, T.9 N., R.23 W., Johnson County, on right bank at Clarksville, 0.2 mi downstream from bridge on U.S. Highway 64.	61.1	1953-70† 1971-84	05-07-84	8.57	3,850
07257100	Minnow Creek tributary near Hagarville, Ar.	Lat 35°30'10", long 93°21'56", in SE 1/4 SE 1/4 sec.19, T.10 N., R.22 W., Johnson County, at culvert on State Highway 123, 2.6 mi southwest of Hagarville.	.19	1962-84	05-08-84	3.72	34
07257200	Little Piney Creek near Lamar, Ar.	Lat 35°26'58", long 93°20'17", in SW 1/4 NE 1/4 sec.9, T.9 N., R.22 W., Johnson County, on left bank 600 ft upstream from State Highway 359 bridge, 3.0 mi east of Lamar.	154	1978-84	05-07-84	13.33	9,740
07257500	Illinois Bayou near Scottsville, Ar.	Lat 35°27'58", long 93°02'28", in SE 1/4 SW 1/4 sec.32, T.10 N., R.19 W., Pope County, at bridge on county road, 1.3 mi north of Scottsville.	241	1948-70† 1971-84	09-19-75 05-07-84	13.20 14.14	[c]10,600 13,100
07257700	McCoy Creek near Dover, Ar.	Lat 35°25'04", long 93°05'09", in SE 1/4 NE 1/4 sec.23, T.9 N., R.20 W., Pope County, at bridge on State Highway 27, 2.0 mi northeast of Dover.	7.05	1961-84	No Peak 1984 WY		
07258200	Pack Saddle Creek tributary near Waldron, Ar.	Lat 34°58'18", long 94°05'42", in SE 1/4 SE 1/4 sec.29, T.4 N., R.29 W., Scott County, at culvert on U.S. Highway 71, 5.2 mi north of Waldron.	.92	1961-84	05-02-84	5.39	210
07259500	Petit Jean River near Waveland, Ar.	Lat 35°06'17", long 93°37'53", in SE 1/4 SW 1/4 Sec.11, T.5 N., R.25 W., Yell County, on left bank 0.8 mi downstream from Rock Creek, 1.3 mi south of Waveland.	516	1939-80† 1981-84	03-11-84	14.18	2,450
07260000	Dutch Creek at Waltreak, Ar.	Lat 34°59'15", long 93°36'45", in SE 1/4 NW 1/4 sec.24, T.4 N., R.25 W., Yell County, on left bank 0.2 mi north of Waltreak.	81.4	1945-75† 1976-84	05-02-84	12.12	4,280
07260673	West Fork Point Remove Creek near Hattieville, Ar.	Lat 35°19'25", long 92°52'22", in NE 1/4 SE 1/4 sec.23, T.8 N., R.18 W., Pope County, on right bank about 300 ft upstream from State Highway 247 bridge, 0.4 mi downstream from Hackers Creek, 5.5 mi northwest of Hattieville.	222	1978-84	05-07-84	15.02	2,550
07260679	East Fork Point Remove Creek tributary near Saint Vincent, Ar.	Lat 35°16'10", long 92°43'59", in NE 1/4 NE 1/4 sec.7, T.7 N., R.16 W., Conway County, at culvert on State Highway 213, 2.2 mi south of Saint Vincent.	.09	1967-84	No Peak 1984 WY		

† Operated as a continuous-record gaging station.
c Revised.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Arkansas River basin--Continued					
07261800	Brogan Creek near Rover, Ar.	Lat 34°54'28", long 93°24'06", in NW 1/4 SE 1/4 sec.13, T.3 N., R.23 W., Yell County, at culvert on State Highway 27, 2.7 mi south of Rover. Prior to 1968 published as Fourche LaFave River tributary near Rover.	1.40	1963-84	02-12-84	4.48	98
07262500	Fourche LaFave River near Nimrod, Ar.	Lat 34°57'02", long 93°09'16", in NW 1/4 SW 1/4 sec.32, T.4 N., R.20 W., Perry County, on left bank 2,000 ft downstream from Nimrod Dam, 4.5 mi southwest of Nimrod.	684	1936-80† 1981-84	12-08-83	9.29	5,310
07263012	Fourche LaFave River near Aplin, Ar.	Lat 34°57'23", long 92°59'04", in E 1/2 NE 1/4 sec.35, T.4 N., R.19 W., Perry County, on right bank 30 ft upstream from bridge on State Highway 155, 1.0 mi south of Aplin.	957	1980-84	12-03-83	22.98	9,460
07263100	Fourche LaFave River tributary near Perryville, Ar.	Lat 35°01'14", long 92°46'06", in NW 1/4 SW 1/4 sec.1, T.4 N., R.17 W., Perry County, at culvert on State Highway 60, 2.2 mi northeast of Perryville.	1.47	1962-84	05-03-84	7.37	220
07263400	Little Maumelle River at Ferndale, Ar.	Lat 34°46'48", long 92°33'15", in NW 1/4 SE 1/4 sec.25, T.2 N., R.15 W., Pulaski County, at bridge on county road, 0.2 mi northeast of Ferndale.	15.0	1963-84	05-03-84	8.32	750
07263530	Fourche Creek at Red Gate, Ar.	Lat 34°38'53", long 92°26'20", in NE 1/4 SE 1/4 sec.7, T.1 S., R.13 W., Pulaski County, 30 ft downstream from bridge on State Highway 5, 0.5 mi east of Red Gate.	32.4	1978-79, 1981-84	05-03-84	11.10	2,600
07263570	Grassy Flat Creek at Little Rock, Ar.	Lat 34°46'01", long 92°22'33", in SW 1/4 NW 1/4 sec.35, T.2 N., R.13 W., Pulaski County, at left bank on downstream side of bridge on Reservoir Road in Little Rock.	3.88	1978-79, 1981-84	11-23-83	11.82	4,200
07263580	Rock Creek at Little Rock, Ar.	Lat 34°43'13", long 92°21'32", in NW 1/4 SW 1/4 sec.13, T.1 N., R.13 W., Pulaski County, at west 36th Street bridge in Little Rock.	20.5	1978-84,	05-02-84	8.88	2,750
07263910	Cypress Branch near Jacksonville, Ar.	Lat 34°54'28", long 92°10'55", in SE 1/4 NE 1/4 sec.9, T.3 N., R.11 W., Pulaski County, at culvert on State Highway 107, 5.0 mi northwest of Jacksonville.	2.38	1961-84	04-03-84	10.16	470
07264100	White Oak Branch near Lonoke, Ar.	Lat 34°46'20", long 91°50'34", on west line SW 1/4 NW 1/4 sec.26, T.2 N., R.8 W., Lonoke County, at bridge on county road, 3.3 mi east of Lonoke.	8.41	1961-84	05-03-84	8.84	960
		Red River basin					
07339500	Rolling Fork near DeQueen, Ar.	Lat 34°02'51", long 94°24'47", in SW 1/4 SW 1/4 sec.21, T.8 S., R.32 W., Sevier County, near center of span on downstream side of bridge on U.S. Highway 70, 4.0 mi west of DeQueen.	182	1948-80† 1981-84	12-06-83	9.30	2,010
07339800	Pepper Creek near DeQueen, Ar.	Lat 34°02'44", long 94°18'13", on north line NW 1/4 NE 1/4 sec.28, T.8 S., R.31 W., Sevier County, at bridge on U.S. Highway 71, 1.5 mi east of junction of U.S. Highways 70 and 71, and 2.3 mi east of DeQueen.	6.41	1961-84	12-02-83	8.37	3,200

† Operated as a continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations--Continued

					Annual maximum		
Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07340500	Cossatot River near DeQueen, Ar.	Lat 34°02'45", long 94°12'42", in NE 1/4 NE 1/4 sec.29, T.8 S., R.30 W., Sevier County, near right bank on downstream side of bridge on U.S. Highway 71, 7.0 mi east of DeQueen.	360	1938-80† 1981-84	05-03-84	10.26	4,240
07340530	Mill Slough tributary near Lockesburg, Ar.	Lat 33°58'04", long 94°11'25", on south line SW 1/4 NW 1/4 sec.22, T.9 S., R.30 W., Sevier County, at culvert on State Highway 24, 1.3 mi west of Lockesburg.	.64	1963-84	05-03-84	6.62	310
07341000	Saline River near Dierks, Ar.	Lat 34°05'45", long 94°05'04", in NW 1/4 SW 1/4 sec.3, T.8 S., R.29 W., Howard County, near left bank on downstream side of U.S. Highway 70, 4.0 mi southwest of Dierks.	121	1938-80† 1981-84	12-06-83	8.19	1,150
07355800	Lewis Creek tributary near Mena, Ar.	Lat 34°37'15", long 94°12'15", in NE 1/4 SW 1/4 sec.33, T.1 S., R.30 W., Polk County, at culvert on U.S. Highway 71, 3.1 mi northeast of Mena.	.65	1961-84	05-03-84	3.31	150
07357700	Glazypeau Creek at Mountain Valley, Ar.	Lat 34° 37'33", long 93°03'10", in SE 1/4 SE 1/4 sec.20, T.1 S., R.19 W., Garland County, at bridge on State Highway 7, 0.3 mi southeast of Mountain Valley.	3.84	1961-84	12-03-83	8.69	207
07361020	Prairie Creek tributary near Kirby, Ar.	Lat 34°09'10", long 93°37'53", in NW 1/4 SE 1/4 sec.11, T.7 S., R.25 W., Pike County, at culvert on State Highway 27, 6.6 mi south of Kirby.	.16	1963-84	12-03-83	3.41	32
07361180	South Fork Ozan Creek near Ozan, Ar.	Lat 33°49'15", long 93°42'28", in SE 1/4 SW 1/4 sec.5, T.11 S., R.25 W., Hempstead County, at bridge on State Highway 4, 2.0 mi south of Ozan.	17.7	1963-84	05-03-84	24.00	6,200
07361680	Middle Caney Creek tributary near Rosston, Ar.	Lat 33°36'19", long 93°17'31", in SW 1/4 SE 1/4 sec.17, T.13 S., R.21 W., Nevada County, at culvert on State Highway 19, 1.0 mi north of junction of State Highway 4 and 19, and 1.3 mi northwest of Rosston. Prior to 1975 published as Little Caney Creek near Rosston.	1.48	1961-84	No Peak 1984 WY		
07362330	Dunn Creek near Hampton, Ar.	Lat 33°32'05", long 92°30'55", in SE 1/4 NW 1/4 sec.2, T.14 S., R.14 W., Calhoun County, at bridge on State Highway 4, 2.8 mi west of Hampton.	13.6	1962-84	No Peak 1984 WY		
07362500	Moro Creek near Fordyce, Ar.	Lat 33°47'32", long 92°19'30, in NW 1/4 NW 1/4 sec.3, T.11 S., R.12 W., Calhoun-Cleveland County line, on downstream side of bridge on State Highway 8, 4.0 mi southeast of Fordyce.	240	1952-83† 1984	05-04-84	14.55	12,500
07363000	Saline River at Benton, Ar.	Lat 34°34'05", long 92°36'40", in SE 1/4 NE 1/4 sec.9, T.2 S., R.15 W., Saline County, on left bank 0.8 mi west of Benton, and 3.0 mi downstream from confluence of North Fork and Alum Fork.	550	1951-79† 1980-84	11-03-83	18.34	16,600
07363050	Holly Creek tributary near Benton, Ar.	Lat 34°32'04", long 92°33'12", in SW 1/4 NW 1/4 sec.19, T.2 S., R.14 W., Saline County, at culvert on State Highway 35, 2.8 mi southeast of Benton.	1.44	1962-84	12-03-83	5.02	150

† Operated as a continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		Red River basin--Continued					
07363200	Saline River near Sheridan, Ar.	Lat 34°06'56", long 92°24'21", in NE 1/4 NW 1/4 sec.15, T.7 S., R.13 W., Grant County, on downstream side of bridge on U.S. Highway 167, 13.5 mi south of Sheridan.	1,123	1971-82† 1983-84	05-05-84	18.08	27,000
07363450	Varnell Creek near Rison, Ar.	Lat 33°56'12", long 92°10'31", in NW 1/4 NE 1/4 sec.18, T.9 S., R.10 W., Cleveland County, at culvert on State Highway 35, 1.8 mi southeast of Rison. Prior to 1972 published as Saline River tributary near Rison.	.28	1964-84	05-03-84	5.73	38
07364030	L'Aigle Creek tributary near Hermitage, Ar.	Lat 33°24'48", long 92°12'33", in SE 1/4 NW 1/4 sec.14, T.15 S., R.11 W., Bradley County, at culvert on State Highway 15, 3.3 mi southwest of Hermitage. Prior to 1975 published as Eagle Creek tributary near Hermitage.	.36	1963-84	12-03-83	4.53	53
07364110	Nevins Creek tributary near Pine Bluff, Ar.	Lat 34°10'08", long 92°05'12", in NW 1/4 SE 1/4 sec.26, T.6 S., R.10 W., Jefferson County, at culvert on U.S. Highway 79, 6.0 mi southwest of Pine Bluff. Prior to 1962 published as Bayou Bartholomew tributary near Pine Bluff.	.75	1961-84	09-24-84	10.58	600
07364260	Hanks Creek near Hamburg, Ar. (Discon.)	Lat 33°10'12", long 91°49'40", in NW 1/4 SE 1/4 sec.4, T.18 S., R.7 W., Ashley County, at bridge on State Highway 52, 4.3 mi southwest of Hamburg.	20.9	1962-84	No Peak 1984 WY		
07364550	Cany Creek tributary near El Dorado, Ar.	Lat 33°11'22", long 92°36'28", in NE 1/4 NW 1/4 sec.1, T.18 S., R.15 W., Union County, at culvert on U.S. Highway 82, 3.5 mi southeast of El Dorado.	.13	1961-84	No Peak 1984 WY		
07367658	Cypress Creek Canal No. 19 tributary near Dumas, Ar.	Lat 33°51'47", long 91°28'46", in SE 1/4 NW 1/4 sec.2, T.10 S., R.4 W., Desha County, at culvert on U.S. Highway 65, 1.5 mi south of Dumas.	.94	1961-84	06-29-84	7.46	100
07367740	Camp Bayou near Parkdale, Ar.	Lat 33°06'55", long 91°31'31", in SE 1/4 SW 1/4 sec.21, T.18 S., R.4 W., Ashley County, at culvert on State Highway 8, 1.3 mi east of Parkdale.	1.86	1963-84	12-03-83	8.58	260

† Operated as a continuous-record gaging station.

Measurements at Miscellaneous Sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		St. Francis River basin				
Second Creek	L'Anguille River	Lat 35°02'20", long 90°54'40", in SW 1/4 SE 1/4, sec.17, T.5 N., R.2 E., St. Francis County at bridge on county road 4.0 mi north of Palestine.	(a)	--	03-18-84 06-04-84 09-10-84	112 4.12 101
		White River basin				
Spring River	Black River	Lat 36°30'10", long 91°31'31", in SE 1/4 SE 1/4 sec.5, T.21 N., R.5 W., Oregon County, Mo., at bridge on county road, 0.6 mi east of U.S. Highway 63, 0.2 mi north of Missouri-Arkansas State line, and 1.1 mi southeast of Thayer, Mo.	(a)	1971-75, 1983	10-07-83	34.2
South Fork Spring River	Spring River	Lat 36°21'00", long 91°38'00", in NW 1/4 NW 1/4 sec.33, T.20 N., R.6 W., Fulton County, at bridge on State Highway 289, 0.2 mi southeast of Saddle.	(a)	1974-83	11-10-83 03-25-84 06-06-84 09-12-84	80.9 287 95.9 39.3
Bayou DeView	Cache River	Lat 35°47'36", long 90°50'18", in SW 1/4 SW 1/4 sec.36, T.14 N., R.2 E., Craighead County, at bridge on State Highway 226, 1.8 mi northwest of Gibson.	(a)	1974-83	10-05-83 03-19-84 07-24-84	19.4 146 0
Wattensaw Bayou	White River	Lat 34°52'34", long 91°33'56", in SE 1/4 SE 1/4 sec.18, T.3 N., R.5 W., Prairie County, at bridge on State Highway 11, 7.0 mi north of Hazen.	(a)	--	12-08-83 02-28-84 05-30-84	1,040 546 54.9
		Arkansas River basin				
Little Sugar Creek	Big Sugar Creek	Lat 36°30'10", long 94°16'30", in SW 1/4 NE 1/4 sec.34, T.21 N., R.21 W., McDonald County, at bridge on U.S. Highway 71 at Caverna, Mo., and 0.1 mi downstream from Bear Creek.	118	1971-83	10-12-83	35.4
Butler Creek	Elk River	Lat 36°30'44", long 94°28'54", in NW 1/4 NW 1/4 sec.35, T.21 N., R.33 W., McDonald County, Mo., at county bridge about 500 ft west of State Highway 59, 0.9 mi north of State line along Highway 59, and 2.0 mi northwest of Sulphur Springs.	34.9	1971-83	10-12-83 01-25-84 04-09-84 06-26-84 09-17-84	5.66 7.42 233 11.2 2.62
Illinois River	Arkansas River	Lat 36°06'11", long 94°20'39", in NW 1/4 SE 1/4 sec.36, T.17 N., R.32 W., Washington County, at bridge on State Highway 16 at Savoy.	167	1957-63[b] 1974-78 1979-81[c] 1982-83	10-26-83 01-25-84 04-09-84 06-26-84 09-18-84	7.32 18.4 1,030 14.8 5.63
Osage Creek	Illinois River	Lat 36°13'19", long 94°17'18", in SW 1/4 NE 1/4 sec.21, T.18 N., R.31 W., Benton County, on left bank, 0.7 mi downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs.	130	1950-75[c] 1977, 1982-83	10-26-83 01-25-84 04-09-84 06-26-84 09-17-84	46.2 49 647 70.3 36.7
Illinois River	Arkansas River	Lat 36°08'41", long 94°29'41", in SW 1/4 SW 1/4 sec.15, T.17 N., R.33 W., Benton County, at bridge on State Highway 16, 4.6 mi southeast of Siloam Springs.	509	1979-81[c] 1982-83	10-26-83 01-25-84 04-09-84 06-27-84 09-17-84	103 138 4,000 175 74.6

a Not determined.
b Operated as a low-flow partial-record station.
c Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		Arkansas River basin--Continued				
Sager Creek	Flint Creek	Lat 36°11'50", long 94°35'00", in SE 1/4 NE 1/4 sec.24, T.20 N., R.25 E., Delaware County, Okla., at bridge on county road, 0.8 mi west of State line and 2.6 mi northwest of Siloam Springs.	(a)	1971-83	10-12-83	10.3
Poteau River	Arkansas River	Lat 34°54'47", long 94°06'28", in SE 1/4 SW 1/4 sec.17, T.3 N., R.29 W., Scott County, at bridge on U.S. Highway 71, 0.9 mi north of Waldron.	(a)	--	01-30-84	1.32
					04-19-84	4.04
					07-10-84	0
Hurricane Creek	Mulberry River	Lat 35°42'23", long 94°01'37", in SW 1/4 SE 1/4 sec.13, T.12 N., R.29 W., Crawford County, at bridge on Forest Road, 4.8 mi north of Fern.	(a)	--	03-13-84	33.4
					04-05-84	44.3
					06-20-84	0.75
					07-25-84	.001
					08-13-84	0
Big Shoal Creek	Arkansas River	Lat 35°11'41", long 93°32'37", in NW 1/4 SW 1/4 sec.10, T.6 N., R.24 W., Logan County, at low water crossing on county road 5.9 mi north of Havana.	(a)	--	03-13-84	43.9
					03-14-84	35.7
					04-03-84	30.2
					07-25-84	0.09
					08-15-84	0.25
Mill Creek	Illinois Bayou	Lat 35°30'19", long 93°00'11", in NE 1/4 NW 1/4 sec.22, T.10 N., R.19 W., Pope County, at bridge on Forest Road 3.2 mi northwest of Hector.	(a)	--	03-14-84	30.6
					03-21-84	29.2
					06-20-84	1.40
					07-25-84	.054
					08-13-84	0
Chickalah Creek	Petit Jean River	Lat 35°09'36", long 93°17'34", in SW 1/4 sec.24, T.6 N., R.22 W., Yell County, at bridge on State Highway 27, 0.5 mi upstream from Little Chickalah Creek and 1.0 mi southwest of Chickalah.	(a)	1964-67[b]	02-01-84	16.8
					04-26-84	31.5
					06-06-84	21.5
					09-05-84	0
		Red River basin				
Days Creek d/	Sulphur River	Lat 33°19'15", long 93°59'53", in NE 1/4 SE 1/4 sec.33, T.16 S., R.28 W., Miller County, at bridge on State Highway 237, 7.0 mi south of Texarkana.	(a)	1973-83	12-06-83	57.7
					03-05-84	364
					05-30-84	30.1
Bodcau Creek	Red Chute Bayou	Lat 33°15'36", long 93°33'00", in SE 1/4 sec.14, T.17 S., R.24 W., Lafayette County, at bridge on State Highway 313, 6.7 mi southeast of Lewisville.	(a)	1974-83	11-02-83	0
					03-06-84	796
					05-30-84	2.24
Caddo River	Ouachita River	Lat 34°17'05", long 93°24'56", in NW 1/4 SE 1/4 sec.24, T.5 S, R.23 W., Clark County, at bridge on State Highway 84, 2.9 mi northeast of Amity.	291	--	12-14-83	741
					03-07-84	1,190
					05-31-84	244
					08-22-84	78.4
Little Missouri River	Ouachita River	Lat 34°18'41", long 93°53'58", in SW 1/4 sec.16, T.5 S., R.27 W., Pike County, at bridge on State Highway 84, 3.3 mi west of Langley.	66.5	1958-63[b] 1974-83	11-01-83	16.6
					01-24-84	116
					04-18-84	78.4
					07-11-84	19.1
Moro Creek	Ouachita River	Lat 33°32'38", long 92°19'00", in sec.35, T.13 S., R.12 W., Bradley-Calhoun County line, at bridge on State Highway 4, 4.0 mi west of Banks.	374	1958-63[b] 1974-83	11-21-83	3.05
					02-22-84	625
					05-16-84	608
					08-09-84	931
Hurricane Creek	Saline River	Lat 34°30'40", long 92°24'54", in SW 1/4 sec.28, T.2 S., R.13 W., Saline County, at crossing on county road 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis.	(a)	1974-83	12-09-83	45.8
					03-01-84	106
					05-30-84	37.5

a Not determined.
b Operated as a low-flow partial-record station.
d Operated as a stage station by Corps of Engineers.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft³/s)
		Red River basin--Continued				
Bayou Bartholomew	Ouachita River	Lat 34°06'24", long 91°54'06", in NW 1/4 sec.22, T.7,W., R.8,W., Jefferson County at bridge on county road, 2.2 south of Ladd.	(a)	1968, 1974-83	10-25-83 01-19-84 04-19-84 07-12-84 09-28-84	4.60 22.1 81.2 4.57 543
Bayou DeLoutre	Ouachita River	Lat 33°05'55", long 92°35'32", in SE 1/4 NW 1/4 sec.6, T.19 S., R.14 W., Union County, at bridge on county road, 8.5 mi southeast of El Dorado.	78.4	1959-64[b] 1971-75, 1978-83	03-07-84 04-17-84 07-11-84	479 34.9 10.2

a Not determined.
b Operated as a low-flow partial-record station.

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

Water-quality partial-record stations are particular sites where data are collected systematically over a period of years for use in hydrologic analyses. The data are collected usually less than monthly.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN

07048800 RICHLAND CREEK AT GOSHEN, AR
(LAT 36 06 10 LONG 094 00 25)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
21...	1105	9	80513	80513	.00	1.0	--	--	26.0	--	>12.0
21...	1110	9	80513	80010	.50	1.0	138	7.7	--	18.5	--
AUG											
13...	1235	9	80513	80513	.00	1.0	--	--	32.0	--	12.0
13...	1240	9	80513	80010	.50	1.0	217	8.5	--	28.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY										
21...	1105	>.30	--	--	728	--	--	--	K760	--
21...	1110	--	10.4	116	728	8	3.4	1.0	--	59
AUG										
13...	1235	.30	--	--	736	--	--	--	67	--
13...	1240	--	12.0	161	736	2	4.1	1.6	--	93

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
21...	1110	.600	.250	.45	.70	1.3	<.010	.010	.900	<.100
AUG										
13...	1240	1.20	--	--	--	--	.020	.020	4.60	<.100

07048910 BEAVER LAKE AT HIGHWAY 68 BRIDGE NEAR SONORA, AR
(LAT 36 06 14 LONG 094 00 26)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
21...	1215	9	80513	80513	.00	46.0	--	--	25.0	--	33.6
21...	1216	9	80513	80010	3.00	46.0	--	--	--	--	--
21...	1220	9	80513	80010	23.0	46.0	104	7.5	--	15.5	--
AUG											
13...	1335	9	80513	80513	.00	38.0	--	--	29.5	--	57.6
13...	1336	9	80513	80010	3.00	38.0	--	--	--	--	--
13...	1340	9	80513	80010	19.0	38.0	160	7.7	--	25.5	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07048910 BEAVER LAKE AT HIGHWAY 68 BRIDGE NEAR SONORA, AR--CONTINUED

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
MAY										
21...	1215	.90	--	--	728	--	--	--	8	--
21...	1216	--	--	--	728	--	--	--	--	--
21...	1220	--	5.4	57	728	10	18	1.4	--	49
AUG										
13...	1335	1.50	--	--	737	--	--	--	0	--
13...	1336	--	--	--	737	--	--	--	--	--
13...	1340	--	1.9	24	737	3	2.0	1.7	--	61

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY										
21...	1216	--	--	--	--	--	--	--	15.0	<.100
21...	1220	.900	.050	.35	.40	1.3	.030	<.010	--	--
AUG										
13...	1336	--	--	--	--	--	--	--	4.40	<.100
13...	1340	<.100	--	--	--	--	.030	.010	--	--

07049050 BEAVER LAKE AT WAR EAGLE, AR
(LAT 36 16 03 LONG 093 56 35)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
DEC										
06...	1425	9	80513	80513	.00	2.0	--	--	3.5	--
06...	1430	9	80513	80010	1.00	2.0	158	8.0	--	7.5
MAY										
21...	1255	9	80513	80513	.00	2.0	--	--	23.0	--
21...	1300	9	80513	80010	1.00	2.0	168	7.9	--	19.5
AUG										
13...	1425	9	80513	80513	.00	2.0	--	--	30.0	--
13...	1430	9	80513	80010	1.00	2.0	205	8.0	--	25.0

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC										
06...	1425	>24.0	>.60	--	--	739	--	--	--	160
06...	1430	--	--	10.5	90	739	13	8.0	1.0	--
MAY										
21...	1255	>24.0	>.60	--	--	729	--	--	--	96
21...	1300	--	--	8.7	99	729	3	1.9	.9	--
AUG										
13...	1425	>24.0	>.60	--	--	736	--	--	--	97
13...	1430	--	--	7.7	97	736	2	4.7	2.5	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049050 BEAVER LAKE AT WAR EAGLE, AR--CONTINUED

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
06...	1430	73	4	4	26	65	1.9	69	6.8	--
MAY										
21...	1300	--	--	--	--	--	--	82	--	.500
AUG										
13...	1430	--	--	--	--	--	--	93	--	1.10

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
06...	1430	--	--	--	--	--	--	.400	<.100
MAY									
21...	1300	.060	1.9	2.0	2.5	.020	<.010	.800	<.100
AUG									
13...	1430	--	--	--	--	.060	.030	7.80	<.100

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR
(LAT 36 15 31 LONG 094 04 09)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
06...	1525	9	80513	80513	.00	75.0	--	--	2.5	--	46.8
06...	1526	9	80513	80010	3.00	75.0	--	--	--	--	--
06...	1530	9	80513	80010	15.0	75.0	154	6.7	--	9.5	--
06...	1535	9	80513	80010	60.0	75.0	155	7.2	--	9.5	--
MAY											
21...	1500	9	80513	80513	.00	89.0	--	--	21.0	--	18.0
21...	1501	9	80513	80010	3.00	89.0	--	--	--	--	--
21...	1505	9	80513	80010	18.0	89.0	110	7.7	--	16.5	--
21...	1510	9	80513	80010	71.0	89.0	128	7.5	--	9.5	--
AUG											
13...	1520	9	80513	80513	.00	80.0	--	--	34.0	--	112
13...	1521	9	80513	80010	3.00	80.0	--	--	--	--	--
13...	1525	9	80513	80010	16.0	80.0	113	8.2	--	26.5	--
13...	1530	9	80513	80010	64.0	80.0	121	7.4	--	13.0	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR--CONTINUED

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
06...	1525	1.20	--	--	739	--	--	--	2	--	--
06...	1526	--	--	--	739	--	--	--	--	--	--
06...	1530	--	10.4	94	739	4	3.6	1.1	--	68	2
06...	1535	--	12.3	111	739	5	5.0	.9	--	68	9
MAY											
21...	1500	.50	--	--	728	--	--	--	0	--	--
21...	1501	--	--	--	728	--	--	--	--	--	--
21...	1505	--	6.1	65	728	15	10	1.3	--	--	--
21...	1510	--	4.3	39	728	10	8.5	2.0	--	--	--
AUG											
13...	1520	2.80	--	--	736	--	--	--	0	--	--
13...	1521	--	--	--	736	--	--	--	--	--	--
13...	1525	--	7.1	92	736	3	1.4	1.4	--	--	--
13...	1530	--	.1	0	736	5	21	1.4	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
06...	1530	2	24	60	1.9	1.6	66	6.0	7.4	.300
06...	1535	9	24	60	1.9	1.5	59	6.0	7.4	.300
MAY										
21...	1505	--	--	--	--	--	46	--	--	.600
21...	1510	--	--	--	--	--	56	--	--	.600
AUG										
13...	1525	--	--	--	--	--	46	--	--	<.100
13...	1530	--	--	--	--	--	54	--	--	.200

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
DEC										
06...	1530	.070	.13	.20	.50	.030	.010	80	1	10
06...	1535	.040	.36	.40	.70	.030	<.010	130	1	10
MAY										
21...	1505	.050	.75	.80	1.4	.020	<.010	160	<1	<10
21...	1510	.110	.49	.60	1.2	.020	<.010	130	<1	<10
AUG										
13...	1525	--	--	--	--	.030	.020	40	<1	<10
13...	1530	--	--	--	--	.060	<.010	500	1	<10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR--CONTINUED

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
06...	1526	--	--	--	--	--	--	--	3.90	.700
06...	1530	1	320	2	70	<.1	2	10	--	--
06...	1535	1	350	2	90	.3	2	20	--	--
MAY										
21...	1501	--	--	--	--	--	--	--	10.0	<.100
21...	1505	3	270	2	20	<.1	3	30	--	--
21...	1510	3	270	2	160	<.1	2	50	--	--
AUG										
13...	1521	--	--	--	--	--	--	--	1.70	<.100
13...	1525	4	200	4	20	<.1	27	<10	--	--
13...	1530	3	2500	3	1800	<.1	7	10	--	--

07049230 BEAVER LAKE AT MONTE NE, AR
(LAT 36 16 56 LONG 094 04 30)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
DEC										
06...	1545	9	80513	80513	.00	4.0	--	--	2.5	--
06...	1550	9	80513	80010	2.00	4.0	215	7.2	--	9.0
MAY										
21...	1525	9	80513	80513	.00	12.0	--	--	21.5	--
21...	1526	9	80513	80010	3.00	12.0	--	--	--	--
21...	1530	9	80513	80010	6.00	12.0	138	8.3	--	23.0
AUG										
13...	1545	9	80513	80513	.00	6.0	--	--	31.5	--
13...	1550	9	80513	80010	3.00	6.0	145	8.7	--	28.5

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC										
06...	1545	48.0	1.20	--	--	739	--	--	--	17
06...	1550	--	--	10.2	91	739	3	2.5	1.1	--
MAY										
21...	1525	42.0	1.10	--	--	728	--	--	--	1
21...	1526	--	--	--	--	728	--	--	--	--
21...	1530	--	--	8.8	108	728	5	6.8	2.4	--
AUG										
13...	1545	62.4	1.60	--	--	736	--	--	--	0
13...	1550	--	--	7.7	103	736	1	.90	1.9	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049230 BEAVER LAKE AT MONTE NE, AR--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
06...	1550	100	4	4	38	95	1.7	98	9.0	--
MAY										
21...	1530	--	--	--	--	[illegible]	--	56	--	.600
AUG										
13...	1550	--	--	--	--	--	--	54	--	<.100

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
06...	1550	--	--	--	--	--	--	3.10	.400
MAY									
21...	1526	--	--	--	--	--	--	1.40	<.100
21...	1530	.050	2.7	2.7	3.3	.010	<.010	--	--
AUG									
13...	1550	--	--	--	--	.040	.020	2.70	<.100

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, AR
(LAT 36 19 57 LONG 094 01 08)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC											
06...	1605	9	80513	80513	.00	105	--	--	2.0	--	90.0
06...	1606	9	80513	80010	3.00	105	--	--	--	--	--
06...	1610	9	80513	80010	21.0	105	140	8.1	--	10.5	--
06...	1615	9	80513	80010	84.0	105	138	6.3	--	10.5	--
MAY											
21...	1600	9	80513	80513	.00	117	--	--	22.0	--	56.4
21...	1601	9	80513	80010	3.00	117	--	--	--	--	--
21...	1605	9	80513	80010	23.0	117	117	7.9	--	16.5	--
21...	1610	9	80513	80010	94.0	117	134	7.7	--	8.5	--
AUG											
13...	1615	9	80513	80513	.00	115	--	--	31.0	--	121
13...	1616	9	80513	80010	3.00	115	--	--	--	--	--
13...	1620	9	80513	80010	23.0	115	229	8.1	--	25.5	--
13...	1625	9	80513	80010	92.0	115	143	7.7	--	10.5	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, AR--CONTINUED

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
06...	1605	2.30	--	--	739	--	--	--	0	--	--
06...	1606	--	--	--	739	--	--	--	--	--	--
06...	1610	--	9.8	91	739	5	3.7	1.3	--	62	3
06...	1615	--	11.0	102	739	5	3.7	1.0	--	62	6
MAY											
21...	1600	1.40	--	--	728	--	--	--	0	--	--
21...	1601	--	--	--	728	--	--	--	--	--	--
21...	1605	--	7.4	79	728	10	5.1	1.2	--	--	--
21...	1610	--	5.7	51	728	5	4.4	1.6	--	--	--
AUG											
13...	1615	3.1	--	--	736	--	--	--	0	--	--
13...	1616	--	--	--	736	--	--	--	--	--	--
13...	1620	--	5.6	71	736	3	.70	1.3	--	--	--
13...	1625	--	.1	0	736	2	1.0	1.2	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
06...	1610	3	22	55	1.7	1.4	59	6.0	5.8	.100
06...	1615	6	22	55	1.7	1.4	56	6.0	5.4	.100
MAY										
21...	1605	--	--	--	--	--	52	--	--	.600
21...	1610	--	--	--	--	--	59	--	--	.700
AUG										
13...	1620	--	--	--	--	--	50	--	--	.100
13...	1625	--	--	--	--	--	64	--	--	.400

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
DEC										
06...	1610	<.010	--	.20	.30	.010	<.010	0	1	10
06...	1615	<.010	--	<.10	--	.010	<.010	80	1	<10
MAY										
21...	1605	.040	.46	.50	1.1	<.010	<.010	70	<1	10
21...	1610	.120	.48	.60	1.3	<.010	<.010	50	<1	<10
AUG										
13...	1620	--	--	--	--	.010	.010	30	1	<10
13...	1625	--	--	--	--	.040	.020	60	1	10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, AR--CONTINUED

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
DEC										
06...	1606	--	--	--	--	--	--	--	2.20	.400
06...	1610	1	240	2	310	<.1	3	10	--	--
06...	1615	1	270	<1	340	<.1	2	10	--	--
MAY										
21...	1601	--	--	--	--	--	--	--	2.20	<.100
21...	1605	2	150	3	10	<.1	4	20	--	--
21...	1610	2	140	3	130	<.1	3	20	--	--
AUG										
13...	1616	--	--	--	--	--	--	--	1.80	<.100
13...	1620	3	30	1	60	<.1	10	10	--	--
13...	1625	2	170	1	70	<.1	5	10	--	--

07049570 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, AR
(LAT 36 20 48 LONG 094 04 57)

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)
DEC										
06...	1650	9	80513	80513	.00	4.0	--	--	1.5	--
06...	1655	9	80513	80010	2.00	4.0	134	7.6	--	9.0
MAY										
21...	1405	9	80513	80513	.00	12.0	--	--	24.0	--
21...	1406	9	80513	80010	3.00	12.0	--	--	--	--
21...	1410	9	80513	80010	6.00	12.0	123	8.8	--	22.0
AUG										
13...	1635	9	80513	80513	.00	4.0	--	--	31.0	--
13...	1640	9	80513	80010	2.00	4.0	125	8.9	--	29.5

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC										
06...	1650	>48.0	>1.20	--	--	740	--	--	--	2
06...	1655	--	--	11.2	100	740	5	2.0	1.6	--
MAY										
21...	1405	33.6	.90	--	--	729	--	--	--	4
21...	1406	--	--	--	--	729	--	--	--	--
21...	1410	--	--	10.4	125	729	2	5.8	2.3	--
AUG										
13...	1635	44.4	1.10	--	--	736	--	--	--	0
13...	1640	--	--	9.1	124	736	2	1.5	1.7	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049570 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, AR--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
06...	1655	62	3	3	22	55	1.7	59	14	--
MAY										
21...	1410	--	--	--	--	--	--	49	--	.200
AUG										
13...	1640	--	--	--	--	--	--	46	--	<.100

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
06...	1655	--	--	--	--	--	--	6.70	1.30
MAY									
21...	1406	--	--	--	--	--	--	<.100	<.100
21...	1410	.050	.75	.80	1.0	.010	<.010	--	--
AUG									
13...	1640	--	--	--	--	.010	.020	2.60	<.100

07049590 BEAVER LAKE NEAR AVOCA, AR
(LAT 36 22 10 LONG 094 03 38)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC											
06...	1635	9	80513	80513	.00	4.0	--	--	1.5	--	>48.0
06...	1640	9	80513	80010	2.00	4.0	152	7.5	--	8.5	--
MAY											
21...	1425	9	80513	80010	.00	12.0	--	--	24.5	--	40.8
21...	1426	9	80513	80010	3.00	12.0	--	--	--	--	--
21...	1430	9	80513	80010	6.00	12.0	126	8.4	--	23.0	--
AUG											
13...	1655	9	80513	80513	.00	6.0	--	--	31.0	--	49.2
13...	1700	9	80513	80010	3.00	6.0	125	8.9	--	29.0	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049590 BEAVER LAKE NEAR AVOCA, AR--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
06...	1635	>1.20	--	--	740	--	--	--	1	--	--
06...	1640	--	11.0	97	740	4	1.9	1.4	--	67	0
MAY											
21...	1425	1.00	--	--	729	--	--	--	1	--	--
21...	1426	--	--	--	729	--	--	--	--	--	--
21...	1430	--	10.1	123	729	5	5.0	2.2	--	--	--
AUG											
13...	1655	1.30	--	--	736	--	--	--	3	--	--
13...	1700	--	9.5	128	736	2	2.0	2.3	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
06...	1640	0	24	60	1.7	1.3	[illegible]	6.0	7.4	.200
MAY										
21...	1430	--	--	--	--	--	52	--	--	.600
AUG										
13...	1700	--	--	--	--	--	53	--	--	<.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
DEC										
06...	1640	<.010	--	<.10	--	.010	<.010	50	1	10
MAY										
21...	1430	.390	1.8	2.2	2.8	.010	.180	90	<1	<10
AUG										
13...	1700	--	--	--	--	.050	<.010	120	<1	<10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
06...	1640	1	190	2	90	<.1	1	<10	6.90	1.30
MAY										
21...	1426	--	--	--	--	--	--	--	6.60	<.100
21...	1430	3	200	<1	20	<.1	5	40	--	--
AUG										
13...	1700	3	300	5	30	<.1	2	40	6.90	<.100

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MO
(LAT 36 31 22 LONG 093 43 26)

WHITE RIVER BASIN--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
07...	1000	9	80513	80513	.00	55.0	--	--	7.0	--
07...	1001	9	80513	80010	3.00	55.0	--	--	--	--
07...	1005	9	80513	80010	11.0	55.0	197	8.1	--	8.5
07...	1010	9	80513	80010	44.0	55.0	200	8.0	--	8.0
APR										
14...	1031	9	80513	80010	--	--	--	--	--	--
MAY										
22...	0730	9	80513	80513	.00	59.0	--	--	18.5	--
22...	0731	9	80513	80010	3.00	59.0	--	--	--	--
22...	0735	9	80513	80010	12.0	59.0	196	8.1	--	16.0
22...	0740	9	80513	80010	47.0	59.0	143	8.0	--	9.0
AUG										
14...	1030	9	80513	80513	.00	55.0	--	--	27.5	--
14...	1031	9	80513	80010	3.00	55.0	--	--	--	--
14...	1035	9	80513	80010	11.0	55.0	205	8.6	--	27.5
14...	1040	9	80513	80010	44.0	55.0	152	8.0	--	14.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
07...	1000	74.4	1.90	--	--	739	--	--	--	0
07...	1001	--	--	--	--	739	--	--	--	--
07...	1005	--	--	10.4	92	739	4	1.4	--	--
07...	1010	--	--	10.2	89	739	4	1.5	--	--
APR										
14...	1031	--	--	--	--	743	--	--	--	--
MAY										
22...	0730	134	3.4	--	--	735	--	--	--	0
22...	0731	--	--	--	--	735	--	--	--	--
22...	0735	--	--	10.3	108	735	5	1.6	1.2	--
22...	0740	--	--	10.2	92	735	3	1.2	.7	--
AUG										
14...	1030	158	4.0	--	--	743	--	--	--	0
14...	1031	--	--	--	--	743	--	--	--	--
14...	1035	--	--	7.5	98	743	3	.70	2.4	--
14...	1040	--	--	6.1	61	743	2	12	1.4	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
07...	1005	95	8	8	27	68	6.8	88	4.4	--
07...	1010	90	2	2	29	72	4.3	88	9.4	--
MAY										
22...	0735	--	--	--	--	--	--	92	--	5.90
22...	0740	--	--	--	--	--	--	62	--	.300
AUG										
14...	1035	--	--	--	--	--	--	87	--	<.100
14...	1040	--	--	--	--	--	--	54	--	.200

BEST COPY AVAILABLE

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MO--CONTINUED

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
07...	1001	--	--	--	--	--	--	4.90	.600
MAY									
22...	0731	--	--	--	--	--	--	1.60	<.100
22...	0735	.060	--	<.10	--	<.010	<.010	--	--
22...	0740	.020	.38	.40	.70	<.010	<.010	--	--
AUG									
14...	1031	--	--	--	--	--	--	1.10	<.100
14...	1035	--	--	--	--	<.010	<.010	--	--
14...	1040	--	--	--	--	<.010	.020	--	--

07050510 TABLE ROCK LAKE (KINGS RIVER ARM) NEAR CARR LANE, MO
(LAT 36 30 08 LONG 093 36 00)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
07...	1035	9	80513	80513	.00	15.0	--	--	7.5	--
07...	1040	9	80513	80010	3.00	15.0	285	8.1	--	7.0
07...	1045	9	80513	80010	12.0	15.0	285	8.2	--	7.0
MAY										
22...	0815	9	80513	80513	.00	20.0	--	--	19.5	--
22...	0816	9	80513	80010	3.00	20.0	--	--	--	--
22...	0820	9	80513	80010	4.00	20.0	230	8.1	--	19.5
22...	0825	9	80513	80010	16.0	20.0	239	7.6	--	17.0
AUG										
14...	1105	9	80513	80513	.00	18.0	--	--	26.5	--
14...	1106	9	80513	80010	3.00	18.0	--	--	--	--
14...	1110	9	80513	80010	3.50	18.0	250	8.4	--	28.5
14...	1115	9	80513	80010	14.5	18.0	312	8.0	--	27.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
07...	1035	90.0	2.30	--	--	739	--	--	--	56
07...	1040	--	--	10.8	92	739	5	1.5	--	--
07...	1045	--	--	10.9	93	739	4	1.9	--	--
MAY										
22...	0815	56.4	1.40	--	--	735	--	--	--	25
22...	0816	--	--	--	--	735	--	--	--	--
22...	0820	--	--	7.2	81	735	5	3.4	1.3	--
22...	0825	--	--	3.1	33	735	5	4.5	1.3	--
AUG										
14...	1105	50.4	1.30	--	--	742	--	--	--	3
14...	1106	--	--	--	--	742	--	--	--	--
14...	1110	--	--	9.5	126	742	3	1.2	2.6	--
14...	1115	--	--	.4	5	742	2	10	.9	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07050510 TABLE ROCK LAKE (KINGS RIVER ARM) NEAR CARR LANE, MO--CONTINUED

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
07...	1040	140	18	18	37	92	11	120	7.4	--
07...	1045	140	7	7	39	98	9.9	131	6.4	--
MAY										
22...	0820	--	--	--	--	--	--	120	--	<.100
22...	0825	--	--	--	--	--	--	120	--	.100
AUG										
14...	1110	--	--	--	--	--	--	112	--	<.100
14...	1115	--	--	--	--	--	--	110	--	<.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
07...	1040	--	--	--	--	--	--	.500	<.100
MAY									
22...	0816	--	--	--	--	--	--	.600	<.100
22...	0820	.080	.92	1.0	--	.010	<.010	--	--
22...	0825	.320	.28	.60	.70	.020	<.010	--	--
AUG									
14...	1106	--	--	--	--	--	--	1.40	<.100
14...	1110	--	--	--	--	<.010	<.010	--	--
14...	1115	--	--	--	--	<.010	.030	--	--

07050530 TABLE ROCK LAKE NEAR LAMPE, MO

(LAT 36 34 20 LONG 093 31 25)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
07...	1315	9	80513	80513	.00	135	--	--	9.5	--	74.4
07...	1316	9	80513	80010	3.00	135	--	--	--	--	--
07...	1320	9	80513	80010	27.0	135	184	7.6	--	11.0	--
07...	1325	9	80513	80010	108	135	184	7.6	--	11.0	--
MAY											
22...	1150	9	80513	80513	.00	143	--	--	20.5	--	184
22...	1151	9	80513	80010	3.00	143	--	--	--	--	--
22...	1155	9	80513	80010	29.0	143	185	8.4	--	15.0	--
22...	1200	9	80513	80010	115	143	180	7.7	--	8.0	--
AUG											
14...	1520	9	80513	80513	.00	140	--	--	31.0	--	149
14...	1521	9	80513	80010	3.00	140	--	--	--	--	--
14...	1525	9	80513	80010	28.0	140	205	8.3	--	23.0	--
14...	1530	9	80513	80010	112	140	170	8.0	--	10.0	--

BEST COPY AVAILABLE

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07050530 TABLE ROCK LAKE NEAR LAMPE, MO--CONTINUED

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
07...	1315	1.90	--	--	736	--	--	--	1	--	--
07...	1316	--	--	--	736	--	--	--	--	--	--
07...	1320	--	8.0	75	736	5	1.8	1.0	--	91	9
07...	1325	--	8.1	76	736	5	2.6	1.0	--	84	48
MAY											
22...	1150	4.7	--	--	739	--	--	--	0	--	--
22...	1151	--	--	--	739	--	--	--	--	--	--
22...	1155	--	9.0	92	739	4	<1.0	1.9	--	--	--
22...	1200	--	6.3	55	739	5	1.2	.8	--	--	--
AUG											
14...	1520	3.8	--	--	742	--	--	--	0	--	--
14...	1521	--	--	--	742	--	--	--	--	--	--
14...	1525	--	6.5	78	742	2	.70	1.6	--	--	--
14...	1530	--	.8	7	742	3	7.8	1.6	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
07...	1320	9	28	70	5.0	82	6.0	6.4	.200	.020
07...	1325	48	25	62	5.2	36	6.0	7.0	.200	<.010
MAY										
22...	1155	--	--	--	--	110	--	--	.400	.040
22...	1200	--	--	--	--	100	--	--	.500	.040
AUG										
14...	1525	--	--	--	--	94	--	--	.200	--
14...	1530	--	--	--	--	57	--	--	.300	--

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
07...	1316	--	--	--	--	--	--	--	.900	<.100
07...	1320	--	<.10	--	.010	<.010	130	100	--	--
07...	1325	--	.40	.60	.010	<.010	210	130	--	--
MAY										
22...	1151	--	--	--	--	--	--	--	.600	<.100
22...	1155	1.2	1.2	1.6	.020	<.010	--	--	--	--
22...	1200	.76	.80	1.3	<.010	<.010	--	--	--	--
AUG										
14...	1521	--	--	--	--	--	--	--	.800	<.100
14...	1525	--	--	--	<.010	<.010	--	--	--	--
14...	1530	--	--	--	<.010	.010	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO
(LAT 36 43 24 LONG 093 29 35)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
07...	1205	9	80513	80513	.00	42.0	--	--	8.5	--	69.6
07...	1206	9	80513	80010	3.00	42.0	--	--	--	--	--
07...	1210	9	80513	80010	8.00	42.0	275	7.5	--	11.0	--
07...	1215	9	80513	80010	34.0	42.0	275	7.6	--	11.0	--
MAY											
22...	1015	9	80513	80513	.00	50.0	--	--	20.0	--	73.2
22...	1016	9	80513	80010	3.00	50.0	--	--	--	--	--
22...	1020	9	80513	80010	10.0	50.0	235	8.4	--	21.5	--
22...	1025	9	80513	80010	40.0	50.0	260	8.0	--	15.0	--
AUG											
14...	1330	9	80513	80513	.00	44.0	--	--	30.0	--	43.2
14...	1331	9	80513	80010	3.00	44.0	--	--	--	--	--
14...	1335	9	80513	80010	9.00	44.0	230	8.1	--	26.5	--
14...	1340	9	80513	80010	35.0	44.0	340	7.6	--	20.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
07...	1205	1.80	--	--	738	--	--	--	0	--	--
07...	1206	--	--	--	738	--	--	--	--	--	--
07...	1210	--	8.8	82	738	5	2.2	1.0	--	120	1
07...	1215	--	8.3	78	738	4	2.9	.3	--	120	9
MAY											
22...	1015	1.90	--	--	737	--	--	--	3	--	--
22...	1016	--	--	--	737	--	--	--	--	--	--
22...	1020	--	10.7	126	737	3	1.4	3.1	--	--	--
22...	1025	--	2.6	27	737	1	2.8	1.5	--	--	--
AUG											
14...	1330	1.10	--	--	742	--	--	--	1	--	--
14...	1331	--	--	--	742	--	--	--	--	--	--
14...	1335	--	6.3	81	742	2	2.4	2.4	--	--	--
14...	1340	--	.1	1	742	2	22	3.0	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
07...	1210	1	39	98	6.0	121	10	12	.500	.020
07...	1215	9	40	100	5.9	115	10	12	.500	.030
MAY										
22...	1020	--	--	--	--	120	--	--	.600	.050
22...	1025	--	--	--	--	140	--	--	1.20	.130
AUG										
14...	1335	--	--	--	--	86	--	--	<.100	--
14...	1340	--	--	--	--	125	--	--	<.100	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO--CONTINUED

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
07...	1206	--	--	--	--	--	--	--	2.30	.400
07...	1210	.18	.20	.70	.050	.020	180	20	--	--
07...	1215	.47	.50	1.0	.040	.020	200	40	--	--
MAY										
22...	1016	--	--	--	--	--	--	--	5.70	<.100
22...	1020	.65	.70	1.3	.050	<.010	--	--	--	--
22...	1025	.37	.50	1.7	.080	.060	--	--	--	--
AUG										
14...	1331	--	--	--	--	--	--	--	9.60	<.100
14...	1335	--	--	--	<.010	.010	--	--	--	--
14...	1340	--	--	--	.280	.170	--	--	--	--

07052920 TABLE ROCK LAKE (JAMES RIVER ARM) NEAR KIMBERLING CITY, MO
(LAT 36 38 23 LONG 093 29 27)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
07...	1245	9	80513	80513	.00	140	--	--	9.5	--
07...	1246	9	80513	80010	3.00	140	--	--	--	--
07...	1250	9	80513	80010	28.0	140	260	7.5	--	11.5
07...	1255	9	80513	80010	112	140	265	7.7	--	11.0
MAY										
22...	1115	9	80513	80513	.00	149	--	--	19.5	--
22...	1116	9	80513	80010	3.00	149	--	--	--	--
22...	1120	9	80513	80010	30.0	149	230	8.3	--	15.5
22...	1125	9	80513	80010	109	149	235	7.8	--	8.5
AUG										
14...	1445	9	80513	80513	.00	145	--	--	31.5	--
14...	1446	9	80513	80010	3.00	145	--	--	--	--
14...	1450	9	80513	80010	29.0	145	220	8.1	--	22.5
14...	1455	9	80513	80010	116	145	265	7.7	--	11.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
07...	1245	79.2	2.00	--	--	738	--	--	--	1
07...	1246	--	--	--	--	738	--	--	--	--
07...	1250	--	--	8.1	77	738	7	1.7	--	--
07...	1255	--	--	8.1	76	738	8	2.3	--	--
MAY										
22...	1115	178	4.5	--	--	738	--	--	--	0
22...	1116	--	--	--	--	738	--	--	--	--
22...	1120	--	--	8.0	83	738	3	<1.0	.9	--
22...	1125	--	--	5.7	50	738	5	1.0	.9	--
AUG										
14...	1445	101	2.60	--	--	742	--	--	--	0
14...	1446	--	--	--	--	742	--	--	--	--
14...	1450	--	--	3.1	37	742	2	.40	1.4	--
14...	1455	--	--	.1	0	742	2	1.1	1.4	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07052920 TABLE ROCK LAKE (JAMES RIVER ARM) NEAR KIMBERLING CITY, MO--CONTINUED

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC										
07...	1250	120	9	9	39	98	5.7	112	8.0	9.8
07...	1255	120	4	4	38	95	5.7	115	--	10
MAY										
22...	1120	--	--	--	--	--	--	130	--	--
22...	1125	--	--	--	--	--	--	120	--	--
AUG										
14...	1450	--	--	--	--	--	--	97	--	--
14...	1455	--	--	--	--	--	--	98	--	--

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
07...	1246	--	--	--	--	--	--	--	2.10	.500
MAY										
22...	1116	--	--	--	--	--	--	--	.700	<.100
22...	1120	1.10	.080	.42	.50	1.6	<.010	<.010	--	--
22...	1125	1.40	.050	.45	.50	1.9	.050	.040	--	--
AUG										
14...	1446	--	--	--	--	--	--	--	2.40	<.100
14...	1450	.300	--	--	--	--	<.010	<.010	--	--
14...	1455	1.10	--	--	--	--	.030	.040	--	--

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MO
(LAT 36 31 39 LONG 093 18 10)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
07...	1530	9	80513	80513	.00	105	--	--	7.0	--
07...	1531	9	80513	80010	3.00	105	--	--	--	--
07...	1535	9	80513	80010	21.0	105	225	7.8	--	11.0
07...	1540	9	80513	80010	84.0	105	235	7.8	--	10.5
MAY										
22...	1515	9	80513	80513	.00	114	--	--	22.0	--
22...	1516	9	80513	80010	3.00	114	--	--	--	--
22...	1520	9	80513	80010	23.0	114	225	8.6	--	15.5
22...	1525	9	80513	80010	91.0	114	225	7.9	--	10.0
AUG										
14...	1805	9	80513	80513	.00	110	--	--	30.0	--
14...	1806	9	80513	80010	3.00	110	--	--	--	--
14...	1810	9	80513	80010	22.0	110	190	8.7	--	26.0
14...	1815	9	80513	80010	88.0	110	235	7.8	--	12.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MO--CONTINUED

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (IN) (00077)	TRANS-PARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
07...	1530	90.0	2.30	--	--	736	--	--	--	0
07...	1531	--	--	--	--	736	--	--	--	--
07...	1535	--	--	9.5	89	736	6	1.6	--	--
07...	1540	--	--	8.8	82	736	4	5.2	--	--
MAY										
22...	1515	109	2.80	--	--	738	--	--	--	0
22...	1516	--	--	--	--	738	--	--	--	--
22...	1520	--	--	11.0	114	738	1	<1.0	1.3	--
22...	1525	--	--	6.3	58	738	5	1.0	.7	--
AUG										
14...	1805	155	3.9	--	--	741	--	--	--	0
14...	1806	--	--	--	--	741	--	--	--	--
14...	1810	--	--	9.0	114	741	3	.80	2.2	--
14...	1815	--	--	.1	0	741	2	2.0	1.1	--

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
07...	1535	110	6	6	33	82	5.6	100	8.4	--
07...	1540	120	10	10	39	98	5.0	108	8.4	--
MAY										
22...	1520	--	--	--	--	--	--	100	--	.500
22...	1525	--	--	--	--	--	--	100	--	.700
AUG										
14...	1810	--	--	--	--	--	--	72	--	.800
14...	1815	--	--	--	--	--	--	93	--	.600

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
07...	1531	--	--	--	--	--	--	1.40	<.100
MAY									
22...	1516	--	--	--	--	--	--	1.00	<.100
22...	1520	.060	--	<.10	--	<.010	<.010	--	--
22...	1525	.020	.48	.50	1.2	<.010	<.010	--	--
AUG									
14...	1806	--	--	--	--	--	--	1.50	<.100
14...	1810	--	--	--	--	<.010	<.010	--	--
14...	1815	--	--	--	--	<.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07053830 BULL SHOALS LAKE AT FORSYTH, MO
(LAT 36 40 17 LONG 093 07 10)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
07...	1725	9	80513	80513	.00	14.0	--	--	12.0	--	54.0
07...	1726	9	80513	80010	3.00	14.0	--	--	--	--	--
07...	1730	9	80513	80010	7.00	14.0	220	7.9	--	10.0	--
MAY											
22...	1645	9	80513	80513	.00	14.0	--	--	25.0	--	69.6
22...	1646	9	80513	80010	3.00	14.0	--	--	--	--	--
22...	1650	9	80513	80010	7.00	14.0	230	8.1	--	12.5	--
AUG											
15...	0845	9	80513	80513	.00	12.0	--	--	21.0	--	92.4
15...	0846	9	80513	80010	3.00	12.0	--	--	--	--	--
15...	0850	9	80513	80010	6.00	12.0	235	7.9	--	15.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
07...	1725	1.40	--	--	750	--	--	--	21	--	--
07...	1726	--	--	--	750	--	--	--	--	--	--
07...	1730	--	9.0	81	750	4	2.8	1.3	--	110	0
MAY											
22...	1645	1.80	--	--	745	--	--	--	53	--	--
22...	1646	--	--	--	745	--	--	--	--	--	--
22...	1650	--	10.0	96	745	5	2.1	1.1	--	--	--
AUG											
15...	0845	2.40	--	--	750	--	--	--	69	--	--
15...	0846	--	--	--	750	--	--	--	--	--	--
15...	0850	--	7.6	77	750	3	1.3	1.7	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
07...	1730	0	32	80	6.8	141	7.0	7.4	.200	.130
MAY										
22...	1650	--	--	--	--	110	--	--	.600	.030
AUG										
15...	0850	--	--	--	--	110	--	--	.700	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07053830 BULL SHOALS LAKE AT FORSYTH, MO--CONTINUED

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
07...	1726	--	--	--	--	--	--	--	1.90	<.100
07...	1730	3.8	3.9	4.1	.020	.010	540	180	--	--
MAY										
22...	1646	--	--	--	--	--	--	--	1.10	<.100
22...	1650	.27	.30	.90	.010	<.010	--	--	--	--
AUG										
15...	0846	--	--	--	--	--	--	--	3.00	<.100
15...	0850	--	--	--	.020	<.010	--	--	--	--

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MO-ARK STATE LINE
(LAT 36 30 05 LONG 093 03 26)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
DEC										
08...	0835	9	80513	80513	.00	20.0	--	--	3.0	--
08...	0836	9	80513	80010	3.00	20.0	--	--	--	--
08...	0840	9	80513	80010	4.00	20.0	280	7.8	--	11.0
08...	0845	9	80513	80010	16.0	20.0	310	7.9	--	11.0
MAY										
23...	0805	9	80513	80513	.00	22.0	--	--	15.0	--
23...	0806	9	80513	80010	3.00	22.0	--	--	--	--
23...	0810	9	80513	80010	11.0	22.0	230	8.6	--	20.5
AUG										
15...	1005	9	80513	80513	.00	20.0	--	--	24.5	--
15...	1006	9	80513	80010	3.00	20.0	--	--	--	--
15...	1010	9	80513	80010	10.0	20.0	215	8.5	--	27.0

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC										
08...	0835	39.6	1.00	--	--	749	--	--	--	2
08...	0836	--	--	--	--	749	--	--	--	--
08...	0840	--	--	8.8	81	749	6	4.9	--	--
08...	0845	--	--	8.7	80	749	5	3.9	--	--
MAY										
23...	0805	102	2.60	--	--	753	--	--	--	1
23...	0806	--	--	--	--	753	--	--	--	--
23...	0810	--	--	12.4	140	753	5	<1.0	.9	--
AUG										
15...	1005	61.2	1.60	--	--	750	--	--	--	1
15...	1006	--	--	--	--	750	--	--	--	--
15...	1010	--	--	7.6	97	750	2	4.8	1.7	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MO-ARK STATE LINE--CONTINUED

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
08...	0840	120	0	0	33	82	10	170	6.0	--
08...	0845	130	0	0	35	88	10	150	6.0	--
MAY										
23...	0810	--	--	--	--	--	--	130	--	.300
AUG										
15...	1010	--	--	--	--	--	--	103	--	<.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
08...	0836	--	--	--	--	--	--	<.100	<.100
MAY									
23...	0806	--	--	--	--	--	--	<.100	<.100
23...	0810	.050	.15	.20	.50	.060	<.010	--	--
AUG									
15...	1006	--	--	--	--	--	--	5.80	<.100
15...	1010	--	--	--	--	<.010	<.010	--	--

07054290 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO
(LAT 36 34 40 LONG 092 38 47)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
08...	1420	9	80513	80513	.00	25.0	--	--	11.5	--
08...	1421	9	80513	80010	3.00	25.0	--	--	--	--
08...	1425	9	80513	80010	5.00	25.0	300	7.6	--	9.0
08...	1430	9	80513	80010	20.0	25.0	335	7.8	--	8.0
MAY										
23...	1405	9	80513	80513	.00	30.0	--	--	23.5	--
23...	1406	9	80513	80010	3.00	30.0	--	--	--	--
23...	1410	9	80513	80010	15.0	30.0	380	8.5	--	21.0
AUG										
15...	1600	9	80513	80513	.00	28.0	--	--	32.5	--
15...	1601	9	80513	80010	3.00	28.0	--	--	--	--
15...	1605	9	80513	80010	14.0	28.0	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054290 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO--CONTINUED

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (IN) (00077)	TRANS-PARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
08...	1420	54.0	1.40	--	--	750	--	--	--	67
08...	1421	--	--	--	--	750	--	--	--	--
08...	1425	--	--	11.3	99	750	5	5.8	--	--
08...	1430	--	--	11.2	96	750	4	7.9	--	--
MAY										
23...	1405	61.2	1.60	--	--	752	--	--	--	1
23...	1406	--	--	--	--	752	--	--	--	--
23...	1410	--	--	11.7	133	752	5	1.0	1.0	--
AUG										
15...	1600	91.2	2.30	--	--	749	--	--	--	0
15...	1601	--	--	--	--	749	--	--	--	--
15...	1605	--	--	--	--	749	--	--	1.6	--

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
08...	1425	150	0	0	32	80	16	150	6.0	--
08...	1430	140	0	0	33	82	15	170	7.0	--
MAY										
23...	1410	--	--	--	--	--	--	190	--	.300
AUG										
15...	1605	--	--	--	--	--	--	143	--	<.100

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
08...	1421	--	--	--	--	--	--	<.100	<.100
MAY									
23...	1406	--	--	--	--	--	--	.200	<.100
23...	1410	.030	1.3	1.3	1.6	<.010	<.010	--	--
AUG									
15...	1601	--	--	--	--	--	--	3.20	<.100
15...	1605	--	--	--	--	<.010	<.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054445 BULL SHOALS LAKE NEAR BUCK CREEK, AR
(LAT 36 29 25 LONG 092 47 15)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
08...	1305	9	80513	80513	.00	140	--	--	11.0	--	73.2
08...	1306	9	80513	80010	--	--	--	--	--	--	--
08...	1306	9	80513	80010	3.00	140	--	--	--	--	--
08...	1310	9	80513	80010	28.0	140	245	8.0	--	11.0	--
08...	1315	9	80513	80010	112	140	245	8.0	--	11.0	--
MAY											
23...	1235	9	80513	80513	.00	145	--	--	23.0	--	133
23...	1236	9	80513	80010	--	--	--	--	--	--	--
23...	1236	9	80513	80010	3.00	145	--	--	--	--	--
23...	1240	9	80513	80010	29.0	145	255	8.0	--	14.5	--
23...	1245	9	80513	80010	116	145	245	7.7	--	8.5	--
AUG											
15...	1500	9	80513	80513	.00	140	--	--	34.0	--	185
15...	1501	9	80513	80010	3.00	140	--	--	--	--	--
15...	1505	9	80513	80010	28.0	140	240	8.5	--	22.5	--
15...	1510	9	80513	80010	112	140	255	7.9	--	11.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
08...	1305	1.90	--	--	750	--	--	--	0	--	--
08...	1306	--	--	--	750	--	--	--	--	--	--
08...	1306	--	--	--	750	--	--	--	--	--	--
08...	1310	--	9.9	91	750	3	2.0	1.2	--	110	0
08...	1315	--	9.7	89	750	2	2.5	1.0	--	130	5
MAY											
23...	1235	3.4	--	--	753	--	--	--	3	--	--
23...	1236	--	--	--	753	--	--	--	--	--	--
23...	1236	--	--	--	753	--	--	--	--	--	--
23...	1240	--	10.7	106	753	<1	<1.0	1.2	--	--	--
23...	1245	--	7.0	61	753	--	<1.0	.5	--	--	--
AUG											
15...	1500	4.7	--	--	750	--	--	--	0	--	--
15...	1501	--	--	--	750	--	--	--	--	--	--
15...	1505	--	11.6	136	750	2	.30	1.5	--	--	--
15...	1510	--	.1	0	750	2	1.5	.4	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
08...	1310	0	29	72	9.7	120	7.0	9.0	.200	.090
08...	1315	5	32	80	11	120	6.0	7.2	.200	.080
MAY										
23...	1240	--	--	--	--	120	--	--	.100	.080
23...	1245	--	--	--	--	120	--	--	.200	.040
AUG										
15...	1505	--	--	--	--	114	--	--	<.100	--
15...	1510	--	--	--	--	125	--	--	.400	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054445 BULL SHOALS LAKE NEAR BUCK CREEK, AR--CONTINUED

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
08...	1306	--	--	--	--	--	--	--	<.100	<.100
08...	1310	--	<.10	--	.030	<.010	170	30	--	--
08...	1315	.02	.10	.30	.030	<.010	160	30	--	--
MAY										
23...	1236	--	--	--	--	--	--	--	<.100	<.100
23...	1240	.32	.40	.50	<.010	<.010	--	--	--	--
23...	1245	1.2	1.2	1.4	<.010	<.010	--	--	--	--
AUG										
15...	1501	--	--	--	--	--	--	--	.600	<.100
15...	1505	--	--	--	<.010	<.010	--	--	--	--
15...	1510	--	--	--	<.010	<.010	--	--	--	--

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PENS)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
08...	1145	9	80513	80513	.00	70.0	255	7.7	11.0	11.5	119
08...	1146	9	80513	80010	3.00	70.0	--	--	--	--	--
08...	1148	9	80513	80513	10.0	70.0	255	7.8	--	11.5	--
08...	1150	9	80513	80010	14.0	70.0	255	7.8	--	11.5	--
08...	1152	9	80513	80513	20.0	70.0	255	7.8	--	11.5	--
08...	1154	9	80513	80513	30.0	70.0	255	7.9	--	11.5	--
08...	1156	9	80513	80513	40.0	70.0	255	7.9	--	11.5	--
06...	1158	9	80513	80513	50.0	70.0	250	7.9	--	11.5	--
08...	1200	9	80513	80010	56.0	70.0	250	8.0	--	11.5	--
08...	1203	9	80513	80513	60.0	70.0	255	8.0	--	11.5	--
08...	1205	9	80513	80513	70.0	70.0	255	8.0	--	11.5	--
MAY											
23...	1030	9	80513	80513	.00	82.0	260	7.9	22.5	21.5	115
23...	1031	9	80513	80010	3.00	82.0	--	--	--	--	--
23...	1032	9	80513	80513	10.0	82.0	260	8.0	--	21.5	--
23...	1034	9	80513	80513	13.0	82.0	260	8.4	--	20.5	--
23...	1036	9	80513	80513	15.0	82.0	260	8.4	--	19.0	--
23...	1040	9	80513	80010	16.0	82.0	255	8.3	--	18.0	--
23...	1042	9	80513	80513	20.0	82.0	255	8.3	--	16.0	--
23...	1044	9	80513	80513	25.0	82.0	255	8.3	--	15.0	--
23...	1046	9	80513	80513	30.0	82.0	255	8.3	--	14.5	--
23...	1048	9	80513	80513	40.0	82.0	255	8.2	--	13.5	--
23...	1050	9	80513	80513	50.0	82.0	255	8.1	--	12.5	--
23...	1052	9	80513	80513	60.0	82.0	260	8.0	--	12.0	--
23...	1055	9	80513	80010	66.0	82.0	260	7.9	--	11.5	--
23...	1056	9	80513	80513	70.0	82.0	260	7.8	--	11.5	--
23...	1058	9	80513	80513	80.0	82.0	265	7.8	--	11.0	--
23...	1100	9	80513	80513	82.0	82.0	265	7.6	--	10.5	--
AUG											
15...	1240	9	80513	80513	.00	81.0	230	8.8	29.5	27.5	170
15...	1241	9	80513	80010	3.00	81.0	--	--	--	--	--
15...	1242	9	80513	80513	10.0	81.0	240	8.7	--	27.0	--
15...	1244	9	80513	80010	16.0	81.0	240	8.7	--	27.0	--
15...	1246	9	80513	80513	20.0	81.0	240	8.7	--	27.0	--
15...	1248	9	80513	80513	22.0	81.0	240	8.6	--	25.0	--
15...	1250	9	80513	80513	24.0	81.0	245	8.5	--	24.0	--
15...	1252	9	80513	80513	26.0	81.0	250	8.5	--	23.0	--
15...	1254	9	80513	80513	28.0	81.0	255	8.1	--	21.0	--
15...	1256	9	80513	80513	30.0	81.0	260	8.0	--	20.0	--
15...	1258	9	80513	80513	33.0	81.0	260	8.0	--	18.5	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PENS)--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
DEC											
08...	1145	3.00	9.5	88	752	--	--	--	--	0	--
08...	1146	--	--	--	752	--	--	--	--	--	--
08...	1148	--	9.2	--	--	--	--	--	--	--	--
08...	1150	--	9.1	85	752	--	--	50	1.3	--	--
C8...	1152	--	8.9	--	--	--	--	--	--	--	--
08...	1154	--	8.8	--	--	--	--	--	--	--	--
08...	1156	--	8.8	--	--	--	--	--	--	--	--
08...	1158	--	8.8	--	--	--	--	--	--	--	--
08...	1200	--	8.9	83	752	--	--	32	1.1	--	--
08...	1203	--	8.8	--	--	--	--	--	--	--	--
08...	1205	--	8.8	--	--	--	--	--	--	--	--
MAY											
23...	1030	2.90	9.8	112	753	--	--	--	--	0	--
23...	1031	--	--	--	753	--	--	--	--	--	--
23...	1032	--	9.9	--	--	--	--	--	--	--	--
23...	1034	--	9.9	--	--	--	--	--	--	--	--
23...	1036	--	11.1	--	--	--	--	--	--	--	--
23...	1040	--	11.3	121	753	--	--	<10	1.0	--	130
23...	1042	--	10.5	--	--	--	--	--	--	--	--
23...	1044	--	9.7	--	--	--	--	--	--	--	--
23...	1046	--	9.1	--	--	--	--	--	--	--	--
23...	1048	--	8.8	--	--	--	--	--	--	--	--
23...	1050	--	7.6	--	--	--	--	--	--	--	--
23...	1052	--	6.2	--	--	--	--	--	--	--	--
23...	1055	--	4.5	42	753	--	1.5	<10	.9	--	130
23...	1056	--	3.2	--	--	--	--	--	--	--	--
23...	1058	--	.8	--	--	--	--	--	--	--	--
23...	1100	--	.2	--	--	--	--	--	--	--	--
AUG											
15...	1240	4.3	8.2	106	751	--	--	--	--	49	--
15...	1241	--	--	--	751	--	--	--	--	--	--
15...	1242	--	7.4	--	--	--	--	--	--	--	--
15...	1245	--	7.0	89	751	2	1.0	<10	1.5	--	114
15...	1246	--	6.7	--	--	--	--	--	--	--	--
15...	1248	--	6.6	--	--	--	--	--	--	--	--
15...	1250	--	6.3	--	--	--	--	--	--	--	--
15...	1252	--	6.0	--	--	--	--	--	--	--	--
15...	1254	--	5.8	--	--	--	--	--	--	--	--
15...	1256	--	4.0	--	--	--	--	--	--	--	--
15...	1258	--	3.3	--	--	--	--	--	--	--	--

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
08...	1146	--	--	--	--	--	--	--	1.70	<.100
MAY										
23...	1031	--	--	--	--	--	--	--	.600	<.100
23...	1040	.200	.100	.50	.60	.80	.070	<.010	--	--
23...	1055	.300	.180	.52	.70	1.0	.020	.010	--	--
AUG										
15...	1241	--	--	--	--	--	--	--	1.00	<.100
15...	1245	<.100	--	--	--	--	<.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PENS)--CONTINUED

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
15...	1300	9	80513	80513	37.0	81.0	265	7.9	17.5	2.7	--
15...	1302	9	80513	80513	40.0	81.0	265	7.9	17.0	1.1	--
15...	1304	9	80513	80513	50.0	81.0	265	7.8	15.5	.1	--
15...	1306	9	80513	80513	60.0	81.0	270	7.7	14.5	.1	--
15...	1310	9	80513	80010	65.0	81.0	270	7.6	14.0	.1	0
15...	1312	9	80513	80513	70.0	81.0	275	7.6	13.5	.1	--
15...	1314	9	80513	80513	80.0	81.0	295	7.5	12.5	.1	--
15...	1315	9	80513	80513	81.0	81.0	300	7.5	12.5	.1	--

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG										
15...	1310	751	2	1.0	11	1.5	132	<.100	.110	.080

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC											
08...	1205	9	80513	80513	.00	77.0	255	7.9	11.0	11.5	114
08...	1206	9	80513	80010	3.00	77.0	--	--	--	--	--
08...	1208	9	80513	80513	10.0	77.0	255	7.9	--	11.5	--
08...	1210	9	80513	80010	15.0	77.0	255	7.9	--	11.5	--
08...	1212	9	80513	80513	20.0	77.0	255	7.9	--	11.5	--
08...	1214	9	80513	80513	30.0	77.0	255	7.9	--	11.5	--
08...	1216	9	80513	80513	40.0	77.0	255	7.9	--	11.5	--
08...	1218	9	80513	80513	50.0	77.0	255	7.9	--	11.5	--
08...	1219	9	80513	80513	60.0	77.0	255	7.9	--	11.5	--
08...	1220	9	80513	80010	62.0	77.0	255	7.9	--	11.5	--
08...	1223	9	80513	80513	70.0	77.0	255	7.9	--	11.5	--
08...	1225	9	80513	80513	77.0	77.0	255	7.9	--	11.0	--
MAY											
23...	1110	9	80513	80513	.00	80.0	260	8.6	22.5	21.5	116
23...	1111	9	80513	80010	3.00	80.0	--	--	--	--	--
23...	1112	9	80513	80513	10.0	80.0	260	8.6	--	21.5	--
23...	1114	9	80513	80513	13.0	80.0	260	8.6	--	20.5	--
23...	1116	9	80513	80513	14.0	80.0	260	8.7	--	19.5	--
23...	1120	9	80513	80010	20.0	80.0	255	8.6	--	16.0	--
23...	1122	9	80513	80513	18.0	80.0	255	8.6	--	16.5	--
23...	1126	9	80513	80513	25.0	80.0	255	8.4	--	15.0	--
23...	1128	9	80513	80513	30.0	80.0	255	8.4	--	14.5	--
23...	1130	9	80513	80513	40.0	80.0	255	8.3	--	13.5	--
23...	1132	9	80513	80513	50.0	80.0	255	8.2	--	12.5	--
23...	1134	9	80513	80513	60.0	80.0	255	8.0	--	12.0	--
23...	1135	9	80513	80010	64.0	80.0	260	7.9	--	11.5	--
23...	1138	9	80513	80513	70.0	80.0	260	7.8	--	11.0	--
23...	1140	9	80513	80513	80.0	80.0	260	7.7	--	10.5	--
AUG											
15...	1320	9	80513	80513	.00	85.0	235	8.7	30.0	27.5	173
15...	1321	9	80513	80010	3.00	85.0	--	--	--	--	--
15...	1322	9	80513	80513	10.0	85.0	235	8.8	--	27.0	--
15...	1325	9	80513	80010	17.0	85.0	240	8.4	--	27.0	--
15...	1326	9	80513	80513	20.0	85.0	240	8.7	--	27.0	--
15...	1328	9	80513	80513	22.0	85.0	245	8.6	--	26.0	--
15...	1330	9	80513	80513	25.0	85.0	245	8.4	--	24.5	--
15...	1332	9	80513	80513	27.0	85.0	250	8.3	--	23.0	--
15...	1334	9	80513	80513	30.0	85.0	255	8.1	--	20.0	--
15...	1336	9	80513	80513	35.0	85.0	260	7.9	--	18.5	--
15...	1338	9	80513	80513	40.0	85.0	265	7.8	--	17.0	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)--CONTINUED

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
08...	1205	2.90	9.2	86	752	--	--	--	1	--	--
08...	1206	--	--	--	752	--	--	--	--	--	--
08...	1208	--	8.9	--	--	--	--	--	--	--	--
08...	1210	--	8.9	83	752	2	1.2	1.2	--	110	0
08...	1212	--	8.8	--	--	--	--	--	--	--	--
08...	1214	--	8.8	--	--	--	--	--	--	--	--
08...	1216	--	8.8	--	--	--	--	--	--	--	--
08...	1218	--	8.8	--	--	--	--	--	--	--	--
08...	1219	--	8.8	--	--	--	--	--	--	--	--
08...	1220	--	8.9	83	752	2	2.9	1.0	--	110	0
08...	1223	--	8.9	--	--	--	--	--	--	--	--
08...	1225	--	8.9	--	--	--	--	--	--	--	--
MAY											
23...	1110	3.00	9.8	112	753	--	--	--	1	--	--
23...	1111	--	--	--	753	--	--	--	--	--	--
23...	1112	--	9.9	--	--	--	--	--	--	--	--
23...	1114	--	10.0	--	--	--	--	--	--	--	--
23...	1116	--	10.7	--	--	--	--	--	--	--	--
23...	1120	--	11.0	113	753	5	<1.0	.9	--	--	--
23...	1122	--	11.0	--	--	--	--	--	--	--	--
23...	1126	--	9.6	--	--	--	--	--	--	--	--
23...	1128	--	9.1	--	--	--	--	--	--	--	--
23...	1130	--	8.9	--	--	--	--	--	--	--	--
23...	1132	--	7.6	--	--	--	--	--	--	--	--
23...	1134	--	6.7	--	--	--	--	--	--	--	--
23...	1135	--	6.4	59	753	--	<1.0	.9	--	--	--
23...	1138	--	3.7	--	--	--	--	--	--	--	--
23...	1140	--	.9	--	--	--	--	--	--	--	--
AUG											
15...	1320	4.4	8.4	108	751	--	--	--	--	--	--
15...	1321	--	--	--	751	--	--	--	--	--	--
15...	1322	--	8.6	--	--	--	--	--	--	--	--
15...	1325	--	7.9	101	751	1	1.0	2.2	--	--	--
15...	1326	--	7.5	--	--	--	--	--	--	--	--
15...	1328	--	7.2	--	--	--	--	--	--	--	--
15...	1330	--	6.9	--	--	--	--	--	--	--	--
15...	1332	--	5.8	--	--	--	--	--	--	--	--
15...	1334	--	4.5	--	--	--	--	--	--	--	--
15...	1336	--	2.1	--	--	--	--	--	--	--	--
15...	1338	--	.3	--	--	--	--	--	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
08...	1210	0	30	75	9.5	120	6.0	7.0	.200	.110
08...	1220	0	29	72	9.4	120	6.0	7.0	.200	.090
MAY										
23...	1120	--	--	--	--	130	--	--	.200	.070
23...	1135	--	--	--	--	130	--	--	.300	.210
AUG										
15...	1325	--	--	--	--	114	--	--	<.100	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)--CONTINUED

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
08...	1206	--	--	--	--	--	--	--	1.90	<.100
08...	1210	--	<.10	--	.060	<.010	120	40	--	--
08...	1220	--	<.10	--	.030	.010	220	80	--	--
MAY										
23...	1111	--	--	--	--	--	--	--	<.100	<.100
23...	1120	.53	.60	.80	<.010	<.010	--	--	--	--
23...	1135	.79	1.0	1.3	.130	.050	--	--	--	--
AUG										
15...	1321	--	--	--	--	--	--	--	.900	<.100
15...	1325	--	--	--	<.010	<.010	--	--	--	--

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG										
15...	1340	9	80513	80513	45.0	85.0	265	7.8	16.0	.2
15...	1342	9	80513	80513	50.0	85.0	265	7.8	15.5	.1
15...	1344	9	80513	80513	60.0	85.0	270	7.7	14.0	.1
15...	1350	9	80513	80010	68.0	85.0	275	7.6	13.5	.1
15...	1352	9	80513	80513	70.0	85.0	275	7.6	13.5	.1
15...	1354	9	80513	80513	80.0	85.0	290	7.3	13.0	.1
15...	1355	9	80513	80513	85.0	85.0	295	7.3	12.5	.1

DATE	TIME	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG										
15...	1350	0	751	2	1.4	2.9	136	<.100	.110	.110

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY AR, (MOUTH)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
DEC										
08...	1225	9	80513	80513	.00	140	255	7.9	11.0	11.5
08...	1226	9	80513	80010	3.00	140	255	7.9	--	11.5
08...	1228	9	80513	80513	20.0	140	255	7.9	--	11.5
08...	1230	9	80513	80010	28.0	140	255	7.9	--	11.5
08...	1232	9	80513	80513	30.0	140	255	7.9	--	11.5
08...	1234	9	80513	80513	40.0	140	255	7.9	--	11.5
08...	1236	9	80513	80513	50.0	140	255	7.9	--	11.5
08...	1238	9	80513	80513	60.0	140	255	7.9	--	11.5
08...	1240	9	80513	80513	70.0	140	255	7.9	--	11.5
08...	1242	9	80513	80513	80.0	140	255	7.9	--	11.5
08...	1244	9	80513	80513	90.0	140	255	7.9	--	11.5
08...	1246	9	80513	80513	100	140	255	7.9	--	11.5
08...	1248	9	80513	80513	110	140	255	7.9	--	11.5
08...	1250	9	80513	80010	112	140	255	7.9	--	11.5
08...	1252	9	80513	80513	120	140	255	7.9	--	11.5
08...	1254	9	80513	80513	130	140	255	7.9	--	11.5
08...	1255	9	80513	80513	140	140	255	7.9	--	11.5
MAY										
23...	1150	9	80513	80513	.00	145	260	8.6	22.5	21.5
23...	1151	9	80513	80010	3.00	145	--	--	--	--
23...	1152	9	80513	80513	10.0	145	260	8.6	--	21.0
23...	1154	9	80513	80513	13.0	145	260	8.6	--	20.0
23...	1156	9	80513	80513	14.0	145	260	8.7	--	19.0
23...	1157	9	80513	80513	15.0	145	260	8.7	--	18.0
23...	1158	9	80513	80513	17.0	145	255	8.6	--	17.0
23...	1159	9	80513	80513	20.0	145	250	8.6	--	16.0
23...	1200	9	80513	80010	29.0	145	250	8.6	--	15.0
23...	1202	9	80513	80513	30.0	145	250	8.6	--	14.5
23...	1204	9	80513	80513	40.0	145	250	8.4	--	13.0
23...	1206	9	80513	80513	50.0	145	255	8.3	--	12.0
23...	1208	9	80513	80513	60.0	145	255	8.3	--	11.5
23...	1210	9	80513	80513	70.0	145	255	8.2	--	11.0
23...	1212	9	80513	80513	80.0	145	255	8.1	--	10.5
23...	1214	9	80513	80513	90.0	145	255	8.0	--	10.0
23...	1216	9	80513	80513	100	145	255	8.0	--	9.0
23...	1218	9	80513	80513	110	145	255	7.9	--	8.5
23...	1220	9	80513	80010	116	145	255	7.8	--	8.0
23...	1222	9	80513	80513	120	145	255	7.8	--	7.5
23...	1224	9	80513	80513	130	145	255	7.8	--	7.0
23...	1226	9	80513	80513	140	145	255	7.7	--	7.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)--CONTINUED

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (IN) (00077)	TRANS-PARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
DEC										
08...	1225	122	3.1	8.8	82	752	--	--	0	--
08...	1226	--	--	8.6	80	752	--	--	--	--
08...	1228	--	--	8.6	--	--	--	--	--	--
08...	1230	--	--	8.5	79	752	33	1.6	--	--
08...	1232	--	--	8.5	--	--	--	--	--	--
08...	1234	--	--	8.5	--	--	--	--	--	--
08...	1236	--	--	8.6	--	--	--	--	--	--
08...	1238	--	--	8.6	--	--	--	--	--	--
08...	1240	--	--	8.6	--	--	--	--	--	--
08...	1242	--	--	8.6	--	--	--	--	--	--
08...	1244	--	--	8.7	--	--	--	--	--	--
08...	1246	--	--	8.9	--	--	--	--	--	--
08...	1248	--	--	8.9	--	--	--	--	--	--
08...	1250	--	--	9.0	84	752	33	.4	--	--
08...	1252	--	--	9.1	--	--	--	--	--	--
08...	1254	--	--	9.0	--	--	--	--	--	--
08...	1255	--	--	9.0	--	--	--	--	--	--
MAY										
23...	1150	163	4.2	9.8	112	753	--	--	0	--
23...	1151	--	--	--	--	753	--	--	--	--
23...	1152	--	--	10.1	--	--	--		--	--
23...	1154	--	--	10.2	--	--	--	--	--	--
23...	1156	--	--	10.8	--	--	--	--	--	--
23...	1157	--	--	11.0	--	--	--	--	--	--
23...	1158	--	--	11.5	--	--	--	--	--	--
23...	1159	--	--	11.3	--	--	--	--	--	--
23...	1200	--	--	10.9	109	753	16	.9	--	120
23...	1202	--	--	10.0	--	--	--	--	--	--
23...	1204	--	--	9.2	--	--	--	--	--	--
23...	1206	--	--	8.9	--	--	--	--	--	--
23...	1208	--	--	8.9	--	--	--	--	--	--
23...	1210	--	--	8.8	--	--	--	--	--	--
23...	1212	--	--	8.6	--	--	--	--	--	--
23...	1214	--	--	8.4	--	--	--	--	--	--
23...	1216	--	--	8.0	--	--	--	--	--	--
23...	1218	--	--	7.6	--	--	--	--	--	--
23...	1220	--	--	7.1	61	753	19	.7	--	130
23...	1222	--	--	6.4	--	--	--	--	--	--
23...	1224	--	--	6.0	--	--	--	--	--	--
23...	1226	--	--	6.0	--	--	--	--	--	--

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
08...	1226	--	--	--	--	--	--	--	1.30	<.100
MAY										
23...	1151	--	--	--	--	--	--	--	<.100	<.100
23...	1200	.300	.170	.23	.40	.70	.010	.010	--	--
23...	1220	.400	.180	.32	.50	.90	.030	.030	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)--CONTINUED

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
MAY										
23...	1230	9	80513	80513	145	145	260	7.7	--	7.0
AUG										
15...	1400	9	80513	80513	.00	140	245	8.8	31.5	28.0
15...	1401	9	80513	80010	3.00	140	--	--	--	--
15...	1402	9	80513	80513	10.0	140	245	8.8	--	27.0
15...	1404	9	80513	80513	20.0	140	240	8.8	--	27.0
15...	1406	9	80513	80513	22.0	140	240	8.8	--	26.0
15...	1407	9	80513	80513	24.0	140	240	8.7	--	25.0
15...	1408	9	80513	80513	25.0	140	240	8.7	--	24.0
15...	1409	9	80513	80513	27.0	140	245	8.7	--	22.5
15...	1410	9	80513	80010	28.0	140	245	8.4	--	21.5
15...	1412	9	80513	80513	30.0	140	255	8.4	--	20.0
15...	1414	9	80513	80513	33.0	140	260	8.2	--	18.5
15...	1415	9	80513	80513	37.0	140	265	8.1	--	17.5
15...	1416	9	80513	80513	40.0	140	265	8.1	--	17.0
15...	1417	9	80513	80513	45.0	140	265	8.1	--	16.0
15...	1418	9	80513	80513	50.0	140	265	8.0	--	15.5
15...	1419	9	80513	80513	60.0	140	265	7.9	--	14.5
15...	1420	9	80513	80513	70.0	140	260	7.9	--	13.5
15...	1421	9	80513	80513	80.0	140	260	7.9	--	13.0
15...	1422	9	80513	80513	90.0	140	265	7.8	--	12.5
15...	1423	9	80513	80513	100	140	265	7.8	--	12.0
15...	1424	9	80513	80513	110	140	265	7.7	--	11.0
15...	1425	9	80513	80010	112	140	265	7.7	--	10.5
15...	1426	9	80513	80513	120	140	265	7.7	--	10.0
15...	1428	9	80513	80513	130	140	270	7.7	--	9.5
15...	1430	9	80513	80513	140	140	270	7.7	--	9.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)
MAY									
23...	1230	--	--	5.9	--	--	--	--	--
AUG									
15...	1400	190	4.8	8.2	107	751	--	--	--
15...	1401	--	--	--	--	751	--	--	--
15...	1402	--	--	8.6	--	--	--	--	--
15...	1404	--	--	8.4	--	--	--	--	--
15...	1406	--	--	9.0	--	--	--	--	--
15...	1407	--	--	11.1	--	--	--	--	--
15...	1408	--	--	12.2	--	--	--	--	--
15...	1409	--	--	12.3	--	--	--	--	--
15...	1410	--	--	12.0	138	751	2	.40	33
15...	1412	--	--	11.6	--	--	--	--	--
15...	1414	--	--	5.2	--	--	--	--	--
15...	1415	--	--	2.7	--	--	--	--	--
15...	1416	--	--	1.1	--	--	--	--	--
15...	1417	--	--	1.0	--	--	--	--	--
15...	1418	--	--	1.0	--	--	--	--	--
15...	1419	--	--	.9	--	--	--	--	--
15...	1420	--	--	1.0	--	--	--	--	--
15...	1421	--	--	1.2	--	--	--	--	--
15...	1422	--	--	1.3	--	--	--	--	--
15...	1423	--	--	1.1	--	--	--	--	--
15...	1424	--	--	.7	--	--	--	--	--
15...	1425	--	--	.1	0	751	--	--	<10
15...	1426	--	--	.1	--	--	--	--	--
15...	1428	--	--	.1	--	--	--	--	--
15...	1430	--	--	.0	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)--CONTINUED

DATE	TIME	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
15...	1400	--	7	--	--	--	--	--	--
15...	1401	--	--	--	--	--	--	<.100	<.100
15...	1410	1.4	--	114	<.100	<.010	.010	--	--
15...	1425	1.3	--	132	.300	<.010	<.010	--	--

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, AR
(LAT 36 28 30 LONG 092 37 44)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
DEC										
08...	1440	9	80513	80513	.00	150	--	--	12.0	--
08...	1441	9	80513	80010	3.00	150	--	--	--	--
08...	1445	9	80513	80010	30.0	150	270	7.8	--	11.5
08...	1450	9	80513	80010	120	150	285	7.9	--	11.0
MAY										
23...	1515	9	80513	80513	.00	155	--	--	25.0	--
23...	1516	9	80513	80010	3.00	155	--	--	--	--
23...	1520	9	80513	80010	31.0	155	260	8.1	--	14.0
23...	1525	9	80513	80010	124	155	275	7.7	--	8.0
AUG										
15...	1630	9	80513	80513	.00	155	--	--	32.5	--
15...	1631	9	80513	80010	3.00	155	--	--	--	--
15...	1635	9	80513	80010	9.00	155	290	7.9	--	10.5
15...	1640	9	80513	80010	31.0	155	250	8.5	--	20.0

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC										
08...	1440	119	3.00	--	--	750	--	--	--	1
08...	1441	--	--	--	--	750	--	--	--	--
08...	1445	--	--	9.1	85	750	1	1.5	--	--
08...	1450	--	--	8.6	79	750	3	2.8	--	--
MAY										
23...	1515	218	5.6	--	--	752	--	--	--	0
23...	1516	--	--	--	--	752	--	--	--	--
23...	1520	--	--	9.3	92	752	3	<1.0	1.5	--
23...	1525	--	--	7.0	60	752	3	<1.0	.7	--
AUG										
15...	1630	179	4.5	--	--	749	--	--	--	K3
15...	1631	--	--	--	--	749	--	--	--	--
15...	1635	--	--	1.1	10	749	2	.50	1.2	--
15...	1640	--	--	9.5	106	749	3	.40	1.3	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, AR--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
08...	1445	120	0	0	32	80	9.9	130	7.0	--
08...	1450	120	0	0	29	72	11	140	7.0	--
MAY										
23...	1520	--	--	--	--	--	--	140	--	.200
23...	1525	--	--	--	--	--	--	140	--	.400
AUG										
15...	1635	--	--	--	--	--	--	150	--	<.400
15...	1640	--	--	--	--	--	--	150	--	<.400

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
08...	1441	--	--	--	--	--	--	1.90	<.100
MAY									
23...	1516	--	--	--	--	--	--	.600	<.100
23...	1520	.090	.71	.80	1.0	<.010	<.010	--	--
23...	1525	.110	.69	.80	1.2	<.010	<.010	--	--
AUG									
15...	1631	--	--	--	--	--	--	<.100	<.100
15...	1635	--	--	--	--	<.010	<.010	--	--
15...	1640	--	--	--	--	<.010	<.010	--	--

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, AR
(LAT 36 23 00 LONG 092 36 58)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
DEC										
08...	1515	9	80513	80513	.00	130	--	--	12.0	--
08...	1516	9	80513	80010	3.00	130	--	--	--	--
08...	1520	9	80513	80010	26.0	130	260	7.8	--	11.5
08...	1525	9	80513	80010	104	130	260	7.9	--	11.5
MAY										
23...	1550	9	80513	80513	.00	135	--	--	24.0	--
23...	1551	9	80513	80010	3.00	135	--	--	--	--
23...	1555	9	80513	80010	27.0	135	255	8.5	--	15.0
23...	1609	9	80513	80010	108	135	255	7.7	--	9.0
AUG										
15...	1705	9	80513	80513	.00	135	--	--	31.5	--
15...	1706	9	80513	80010	3.00	135	--	--	--	--
15...	1710	9	80513	80010	27.0	135	240	8.6	--	21.5
15...	1715	9	80513	80010	108	135	260	7.8	--	10.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, AR--CONTINUED

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (IN) (00077)	TRANS-PARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
08...	1515	170	4.3	--	--	750	--	--	--	0
08...	1516	--	--	--	--	750	--	--	--	--
08...	1520	--	--	9.8	91	750	4	1.0	--	--
08...	1525	--	--	9.4	88	750	3	1.3	--	--
MAY										
23...	1550	179	4.5	--	--	752	--	--	--	0
23...	1551	--	--	--	--	752	--	--	--	--
23...	1555	--	--	10.3	104	752	3	<1.0	1.1	--
23...	1600	--	--	7.8	68	752	3	<1.0	.7	--
AUG										
15...	1705	156	4.0	--	--	749	--	--	--	0
15...	1706	--	--	--	--	749	--	--	--	--
15...	1710	--	--	12.6	145	749	2	.40	1.0	--
15...	1715	--	--	.6	5	749	2	.40	1.1	--

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
08...	1520	120	0	0	32	80	9.7	120	7.0	--
08...	1525	110	0	0	28	70	9.5	120	7.5	--
MAY										
23...	1555	--	--	--	--	--	--	130	--	.400
23...	1600	--	--	--	--	--	--	130	--	.200
AUG										
15...	1710	--	--	--	--	--	--	118	--	<.100
15...	1715	--	--	--	--	--	--	132	--	.300

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
08...	1516	--	--	--	--	--	--	1.50	<.100
MAY									
23...	1551	--	--	--	--	--	--	.500	<.100
23...	1555	.080	.72	.80	1.2	<.010	<.010	--	--
23...	1600	.070	.33	.40	.60	<.010	<.010	--	--
AUG									
15...	1706	--	--	--	--	--	--	<.100	<.100
15...	1710	--	--	--	--	<.010	<.010	--	--
15...	1715	--	--	--	--	<.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, AR
(LAT 36 23 32 LONG 092 32 10)

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)
DEC										
08...	1535	9	80513	80513	.00	150	--	--	12.5	--
08...	1536	9	80513	80010	3.00	150	--	--	--	--
08...	1540	9	80513	80010	30.0	150	260	7.7	--	11.5
08...	1545	9	80513	80010	120	150	260	7.9	--	11.5
MAY										
23...	1615	9	80513	80513	.00	157	--	--	24.5	--
23...	1616	9	80513	80010	3.00	157	--	--	--	--
23...	1620	9	80513	80010	31.0	157	255	8.0	--	14.5
23...	1625	9	80513	80010	126	157	250	7.7	--	7.5
AUG										
15...	1725	9	80513	80513	.00	155	--	--	31.5	--
15...	1726	9	80513	80010	3.00	155	--	--	--	--
15...	1730	9	80513	80010	31.0	155	245	8.5	--	20.0
15...	1735	9	80513	80010	124	155	260	7.8	--	11.0

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC										
08...	1535	158	4.0	--	--	750	--	--	--	0
08...	1536	--	--	--	--	750	--	--	--	--
08...	1540	--	--	9.3	87	750	3	1.4	--	--
08...	1545	--	--	9.4	88	750	3	2.7	--	--
MAY										
23...	1615	156	4.0	--	--	752	--	--	--	0
23...	1616	--	--	--	--	752	--	--	--	--
23...	1620	--	--	10.4	103	752	5	<1.0	.9	--
23...	1625	--	--	7.5	63	752	3	<1.0	.6	--
AUG										
15...	1725	157	4.0	--	--	749	--	--	--	14
15...	1726	--	--	--	--	749	--	--	--	--
15...	1730	--	--	11.4	128	749	2	.20	1.1	--
15...	1735	--	--	3.1	29	749	2	.30	.9	--

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3) (95902)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY FIELD (MG/L AS CACO3) (00410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
08...	1540	120	0	0	30	75	10	120	7.0	--
08...	1545	120	0	0	31	78	10	120	7.0	--
MAY										
23...	1620	--	--	--	--	--	--	130	--	.300
23...	1625	--	--	--	--	--	--	130	--	.200
AUG										
15...	1730	--	--	--	--	--	--	121	--	<.100
15...	1735	--	--	--	--	--	--	132	--	.300

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, AR--CONTINUED

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
08...	1536	--	--	--	--	--	--	1.40	<.100
MAY									
23...	1616	--	--	--	--	--	--	.200	<.100
23...	1620	.070	.43	.50	.80	.010	<.010	--	--
23...	1625	.110	.00	.10	.30	<.010	<.010	--	--
AUG									
15...	1726	--	--	--	--	--	--	<.100	<.100
15...	1730	--	--	--	--	<.010	<.010	--	--
15...	1735	--	--	--	--	<.010	<.010	--	--

07058500 NORTH FORK RIVER AT TECUMSEH, MO
(LAT 36 35 12 LONG 092 17 18)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
FEB											
15...	0900	9	80513	80513	.00	8.0	--	--	14.5	--	>96.0
15...	0901	9	80513	80010	3.00	8.0	--	--	--	--	--
15...	0905	9	80513	80010	4.00	8.0	290	8.3	--	7.5	--
MAY											
29...	1350	9	80513	80513	.00	15.0	--	--	20.5	--	60.0
29...	1355	9	80513	80010	3.00	15.0	330	8.0	--	17.5	--
29...	1400	9	80513	80010	12.0	15.0	330	7.9	--	17.0	--
AUG											
16...	1100	9	80513	80513	.00	5.0	--	--	27.5	--	52.8
16...	1105	9	80513	80010	1.00	5.0	380	8.0	--	21.5	--
16...	1106	9	80513	80010	2.50	5.0	--	--	--	--	--
16...	1110	9	80513	80010	4.00	5.0	380	8.0	--	21.5	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
FEB											
15...	0900	>2.40	--	--	749	--	--	--	39	--	--
15...	0901	--	--	--	749	--	--	--	--	--	--
15...	0905	--	10.8	92	749	3	20	1.2	--	96	0
MAY											
29...	1350	1.50	--	--	758	--	--	--	19	--	--
29...	1355	--	9.9	104	758	1	1.6	.9	--	--	--
29...	1400	--	9.8	102	758	3	2.1	.8	--	--	--
AUG											
16...	1100	1.30	--	--	754	--	--	--	16	--	--
16...	1105	--	7.4	85	754	2	2.0	1.0	--	--	--
16...	1106	--	--	--	754	--	--	--	--	--	--
16...	1110	--	7.4	85	754	<1	3.0	.9	--	--	--

BEST COPY AVAILABLE

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07058500 NORTH FORK RIVER AT TECUMSEH, MO--CONTINUED

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
FEB										
15...	0905	0	17	42	13	157	5.9	6.4	.800	.030
MAY										
29...	1355	--	--	--	--	75	--	--	.600	.140
29...	1400	--	--	--	--	85	--	--	.500	.130
AUG										
16...	1105	--	--	--	--	206	--	--	.400	--
16...	1110	--	--	--	--	205	--	--	<.100	--

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
FEB										
15...	0901	--	--	--	--	--	--	--	.800	<.100
15...	0905	.77	.80	1.6	.010	<.010	110	10	--	--
MAY										
29...	1355	1.4	1.5	2.1	<.010	<.010	--	--	<.100	<.100
29...	1400	3.4	3.5	4.0	<.010	<.010	--	--	--	--
AUG										
16...	1105	--	--	--	<.010	<.010	--	--	--	--
16...	1106	--	--	--	--	--	--	--	<.100	<.100
16...	1110	--	--	--	<.010	<.010	--	--	--	--

07058600 NORFORK LAKE NEAR UDALL, MO
(LAT 36 32 53 LONG 092 16 55)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
FEB										
15...	0800	9	80513	80513	.00	8.0	--	--	12.5	--
15...	0801	9	80513	80010	3.00	8.0	--	--	--	--
15...	0805	9	80513	80010	4.00	8.0	322	8.3	--	9.0
MAY										
29...	1335	9	80513	80513	.00	14.0	--	--	20.0	--
29...	1336	9	80513	80010	3.00	14.0	--	--	--	--
29...	1340	9	80513	80010	7.00	14.0	375	7.9	--	17.0
AUG										
16...	1115	9	80513	80513	.00	6.0	--	--	28.5	--
16...	1120	9	80513	80010	3.00	6.0	465	8.0	--	26.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07058600 NORFORK LAKE NEAR UDALL, MO--CONTINUED

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
FEB										
15...	0800	90.0	2.30	--	--	748	--	--	--	48
15...	0801	--	--	--	--	748	--	--	--	--
15...	0805	--	--	10.3	91	748	5	1.7	--	--
MAY										
29...	1335	63.6	1.60	--	--	757	--	--	--	21
29...	1336	--	--	--	--	757	--	--	--	--
29...	1340	--	--	9.0	94	757	5	2.1	1.0	--
AUG										
16...	1115	38.4	1.00	--	--	754	--	--	--	4
16...	1120	--	--	8.4	106	754	<1	1.4	1.8	--

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
FEB										
15...	0805	210	0	0	44	110	24	220	5.9	--
MAY										
29...	1340	--	--	--	--	--	--	88	--	.400
AUG										
16...	1120	--	--	--	--	--	--	250	--	<.100

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
FEB									
15...	0801	--	--	--	--	--	--	.300	<.100
MAY									
29...	1336	--	--	--	--	--	--	.400	<.100
29...	1340	.130	1.6	1.7	2.1	<.010	<.010	--	--
AUG									
16...	1120	--	--	--	--	.030	<.010	11.0	<.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, AR
(LAT 36 24 07 LONG 092 19 15)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
FEB										
14...	1440	9	80513	80513	.00	55.0	--	--	22.0	--
14...	1441	9	80513	80010	3.00	55.0	--	--	--	--
14...	1445	9	80513	80010	11.0	55.0	320	8.3	--	6.0
14...	1450	9	80513	80010	44.0	55.0	330	8.3	--	5.0
MAY										
29...	1245	9	80513	80513	.00	60.0	--	--	23.0	--
29...	1246	9	80513	80010	3.00	60.0	--	--	--	--
29...	1250	9	80513	80010	12.0	60.0	295	8.7	--	21.0
29...	1255	9	80513	80010	48.0	60.0	305	8.0	--	13.5
AUG										
16...	1155	9	80513	80513	.00	52.0	--	--	32.0	--
16...	1156	9	80513	80010	3.00	52.0	--	--	--	--
16...	1200	9	80513	80010	10.5	52.0	295	8.0	--	28.0
16...	1205	9	80513	80010	41.5	52.0	350	7.5	--	21.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
FEB										
14...	1440	22.8	.60	--	--	748	--	--	--	88
14...	1441	--	--	--	--	748	--	--	--	--
14...	1445	--	--	12.6	103	748	10	10	--	--
14...	1450	--	--	12.4	99	748	12	3.3	--	--
MAY										
29...	1245	92.4	2.40	--	--	758	--	--	--	0
29...	1246	--	--	--	--	758	--	--	--	--
29...	1250	--	--	10.2	115	758	5	1.0	1.4	--
29...	1255	--	--	5.3	51	758	--	1.1	1.0	--
AUG										
16...	1155	157	4.0	--	--	754	--	--	--	0
16...	1156	--	--	--	--	754	--	--	--	--
16...	1200	--	--	9.6	124	754	<1	.50	.6	--
16...	1205	--	--	.2	2	754	5	4.0	1.1	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
FEB										
14...	1445	160	0	0	31	78	20	165	6.3	--
14...	1450	170	0	0	35	88	20	171	5.9	--
MAY										
29...	1250	--	--	--	--	--	--	66	--	.300
29...	1255	--	--	--	--	--	--	67	--	.500
AUG										
16...	1200	--	--	--	--	--	--	153	--	<.100
16...	1205	--	--	--	--	--	--	189	--	.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, AR--CONTINUED

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
FEB									
14...	1441	--	--	--	--	--	--	8.00	<.100
MAY									
29...	1246	--	--	--	--	--	--	18.0	<.100
29...	1250	.130	1.5	1.6	1.9	<.010	<.010	--	--
29...	1255	.080	1.4	1.5	2.0	<.010	<.010	--	--
AUG									
16...	1156	--	--	--	--	--	--	1.50	<.100
16...	1200	--	--	--	--	<.010	<.010	--	--
16...	1205	--	--	--	--	.020	.010	--	--

07058995 NORFORK LAKE AT HENDERSON, AR
(LAT 36 22 30 LONG 092 14 37)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
FEB											
14...	1510	9	80513	80513	.00	115	--	--	18.0	--	86.4
14...	1511	9	80513	80010	3.00	115	--	--	--	--	--
14...	1515	9	80513	80010	23.0	115	300	8.5	--	5.0	--
14...	1520	9	80513	80010	92.0	115	320	8.6	--	4.5	--
MAY											
29...	1445	9	80513	80513	.00	120	--	--	20.0	--	118
29...	1446	9	80513	80010	3.00	120	--	--	--	--	--
29...	1450	9	80513	80010	24.0	120	295	8.4	--	19.5	--
29...	1455	9	80513	80010	96.0	120	300	8.0	--	10.0	--
AUG											
16...	0950	9	80513	80513	.00	115	--	--	25.5	--	164
16...	0951	9	80513	80010	3.00	115	--	--	--	--	--
16...	0955	9	80513	80010	23.0	115	290	8.6	--	27.5	--
16...	1000	9	80513	80010	92.0	115	325	7.7	--	11.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
FEB											
14...	1510	2.20	--	--	746	--	--	--	0	--	--
14...	1511	--	--	--	746	--	--	--	--	--	--
14...	1515	--	12.8	102	746	5	17	1.2	--	140	0
14...	1520	--	12.9	102	746	7	3.0	1.5	--	150	0
MAY											
29...	1445	3.00	--	--	758	--	--	--	0	--	--
29...	1446	--	--	--	758	--	--	--	--	--	--
29...	1450	--	10.5	115	758	1	<1.0	.8	--	--	--
29...	1455	--	7.3	65	758	3	<1.0	.6	--	--	--
AUG											
16...	0950	4.2	--	--	754	--	--	--	0	--	--
16...	0951	--	--	--	754	--	--	--	--	--	--
16...	0955	--	8.2	105	754	2	.80	.6	--	--	--
16...	1000	--	.1	0	754	<1	2.5	.8	--	--	--

BEST COPY AVAILABLE

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07058995 NORFORK LAKE AT HENDERSON, AR--CONTINUED

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
FEB										
14...	1515	0	28	70	17	162	6.0	4.9	.300	.060
14...	1520	0	32	80	18	164	6.0	5.4	.500	.450
MAY										
29...	1450	--	--	--	--	79	--	--	.300	<.010
29...	1455	--	--	--	--	83	--	--	.500	.050
AUG										
16...	0955	--	--	--	--	150	--	--	<.100	--
16...	1000	--	--	--	--	173	--	--	.400	--

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
FEB										
14...	1511	--	--	--	--	--	--	--	3.20	<.100
14...	1515	.54	.60	.90	.020	<.010	60	10	--	--
14...	1520	.35	.80	1.3	.020	<.010	310	20	--	--
MAY										
29...	1446	--	--	--	--	--	--	--	.500	<.100
29...	1450	--	1.8	2.1	<.010	<.010	--	--	--	--
29...	1455	3.3	3.3	3.8	<.010	<.010	--	--	--	--
AUG										
16...	0951	--	--	--	--	--	--	--	1.80	<.100
16...	0955	--	--	--	<.010	<.010	--	--	--	--
16...	1000	--	--	--	<.010	<.010	--	--	--	--

07059095 NORFORK LAKE ON FALL CREEK, AR
(LAT 36 20 07 LONG 092 17 04)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
FEB										
14...	1535	9	80513	80513	.00	15.0	--	--	19.0	--
14...	1540	9	80513	80010	3.00	15.0	310	8.3	--	6.5
14...	1545	9	80513	80010	12.0	15.0	312	8.3	--	6.0
MAY										
29...	1505	9	80513	80513	.00	20.0	--	--	20.5	--
29...	1506	9	80513	80010	3.00	20.0	--	--	--	--
29...	1510	9	80513	80010	10.0	20.0	295	8.3	--	22.0
AUG										
16...	1305	9	80513	80513	.00	12.0	--	--	32.0	--
16...	1306	9	80513	80010	3.00	12.0	--	--	--	--
16...	1310	9	80513	80010	6.00	12.0	290	8.6	--	27.0

BEST COPY AVAILABLE

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07059095 NORFORK LAKE ON FALL CREEK, AR--CONTINUED

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (IN) (00077)	TRANS-PARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
FEB										
14...	1535	54.0	1.40	--	--	747	--	--	--	39
14...	1540	--	--	12.3	102	747	10	8.5	--	--
14...	1545	--	--	12.6	103	747	7	8.0	--	--
MAY										
29...	1505	57.6	1.50	--	--	758	--	--	--	9
29...	1506	--	--	--	--	758	--	--	--	--
29...	1510	--	--	10.4	120	758	5	1.6	1.5	--
AUG										
16...	1305	60.0	1.50	--	--	753	--	--	--	0
16...	1306	--	--	--	--	753	--	--	--	--
16...	1310	--	--	8.6	109	753	2	1.5	.8	--

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
FEB										
14...	1540	170	6	6	32	80	21	161	5.7	--
14...	1545	90	0	0	18	45	11	161	4.9	--
MAY										
29...	1510	--	--	--	--	--	--	62	--	.200
AUG										
16...	1310	--	--	--	--	--	--	154	--	<.100

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
FEB									
14...	1540	--	--	--	--	--	--	2.80	<.100
MAY									
29...	1506	--	--	--	--	--	--	2.40	<.100
29...	1510	.070	.93	1.0	1.2	<.010	<.010	--	--
AUG									
16...	1306	--	--	--	--	--	--	2.10	<.100
16...	1310	--	--	--	--	.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07059495 NORFORK LAKE NEAR HAND, AR
(LAT 36 16 27 LONG 092 12 30)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
FEB										
14...	1400	9	80513	80513	.00	140	--	--	22.0	--
14...	1401	9	80513	80010	3.00	140	--	--	--	--
14...	1405	9	80513	80010	28.0	140	305	8.3	--	5.5
14...	1410	9	80513	80010	112	140	310	8.3	--	4.5
MAY										
29...	1550	9	80513	80513	.00	147	--	--	21.5	--
29...	1551	9	80513	80010	3.00	147	--	--	--	--
29...	1555	9	80513	80010	29.0	147	280	8.4	--	19.5
29...	1600	9	80513	80010	118	147	280	8.0	--	9.0
AUG										
16...	0915	9	80513	80513	.00	140	--	--	24.5	--
16...	0916	9	80513	80010	3.00	140	--	--	--	--
16...	0920	9	80513	80010	28.0	140	290	8.6	--	26.5
16...	0925	9	80513	80010	112	140	300	7.8	--	10.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
FEB										
14...	1400	142	3.6	--	--	748	--	--	--	0
14...	1401	--	--	--	--	748	--	--	--	--
14...	1405	--	--	12.2	99	748	5	2.1	--	--
14...	1410	--	--	12.0	95	748	5	2.3	--	--
MAY										
29...	1550	236	6.0	--	--	757	--	--	--	7
29...	1551	--	--	--	--	757	--	--	--	--
29...	1555	--	--	10.6	116	757	5	<1.0	.8	--
29...	1600	--	--	8.7	76	757	5	<1.0	.6	--
AUG										
16...	0915	244	6.2	--	--	754	--	--	--	0
16...	0916	--	--	--	--	754	--	--	--	--
16...	0920	--	--	9.6	121	754	--	--	.4	--
16...	0925	--	--	3.0	27	754	--	--	.5	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
FEB										
14...	1405	140	0	0	30	75	17	154	5.1	--
14...	1410	150	0	0	30	75	19	154	5.2	--
MAY										
29...	1555	--	--	--	--	--	--	62	--	.400
29...	1600	--	--	--	--	--	--	63	--	.400
AUG										
16...	0920	--	--	--	--	--	--	147	--	<.100
16...	0925	--	--	--	--	--	--	160	--	.300

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07059495 NORFORK LAKE NEAR HAND, AR--CONTINUED

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
FEB									
14...	1401	--	--	--	--	--	--	2.50	<.100
MAY									
29...	1551	--	--	--	--	--	--	<.100	<.100
29...	1555	.060	2.1	2.2	2.6	<.010	<.010	--	--
29...	1600	.220	1.9	2.1	2.5	<.010	.010	--	--
AUG									
16...	0916	--	--	--	--	--	--	.700	<.100
16...	0920	--	--	--	--	<.010	<.010	--	--
16...	0925	--	--	--	--	.010	<.010	--	--

07061600 BLACK RIVER BELOW ANNAPOLIS, MO
(LAT 37 19 30 LONG 090 45 50)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
FEB											
15...	1425	9	80513	80513	.00	2.0	--	--	22.0	--	>24.0
15...	1430	9	80513	80010	1.00	2.0	195	8.2	--	8.5	--
MAY											
30...	1325	9	80513	80513	.00	2.0	--	--	22.5	--	>24.0
30...	1330	9	80513	80010	1.00	2.0	240	6.9	--	18.0	--
AUG											
22...	0825	9	80513	80513	.00	1.0	--	--	24.0	--	>12.0
22...	0830	9	80513	80010	.50	1.0	270	8.1	--	22.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)
FEB										
15...	1425	>.60	--	--	748	--	--	--	0	--
15...	1430	--	11.4	99	748	11	2.0	.9	--	89
MAY										
30...	1325	>.60	--	--	750	--	--	--	12	--
30...	1330	--	9.1	98	750	1	<1.0	.6	--	--
AUG										
22...	0825	>.30	--	--	752	--	--	--	--	--
22...	0830	--	6.7	79	752	1	.50	1.7	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07061600 BLACK RIVER BELOW ANNAPOLIS, MO--CONTINUED

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
FEB										
15...	1430	5	5	19	48	10	84	14	5.2	.300
MAY										
30...	1330	--	--	--	--	--	43	--	--	.100
AUG										
22...	0830	--	--	--	--	--	125	--	--	<.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
FEB										
15...	1430	<.010	.40	.70	.010	<.010	360	10	.700	<.100
MAY										
30...	1330	<.010	3.1	3.2	<.010	<.010	--	--	<.100	<.100
AUG										
22...	0830	--	--	--	<.010	<.010	--	--	<.100	<.100

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO
(LAT 37 12 30 LONG 090 46 43)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
FEB										
15...	1315	9	80513	80513	.00	4.0	--	--	22.5	--
15...	1320	9	80513	80010	2.00	4.0	205	8.2	--	8.0
MAY										
30...	1155	9	80513	80513	.00	5.0	--	--	19.0	--
30...	1200	9	80513	80010	2.50	5.0	181	7.6	--	16.5
AUG										
22...	1155	9	80513	80513	.00	5.0	--	--	28.0	--
22...	1200	9	80513	80010	2.50	5.0	270	8.1	--	23.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
FEB										
15...	1315	>48.0	>1.20	--	--	752	--	--	--	1
15...	1320	>48.0	>1.20	11.3	97	752	5	--	.7	--
MAY										
30...	1155	>60.0	>1.50	--	--	758	--	--	--	7
30...	1200	--	--	9.4	97	758	3	<1.0	.8	--
AUG										
22...	1155	>60.0	>1.50	--	--	753	--	--	--	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO--CONTINUED

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
FEB										
15...	1320	83	0	0	15	11	88	15	5.5	.400
MAY										
30...	1200	--	--	--	--	--	43	--	--	.200
AUG										
22...	1200	--	--	--	--	--	127	--	--	<.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
FEB										
15...	1320	<.010	.70	1.1	.010	<.010	120	10	.700	<.100
MAY										
30...	1200	<.010	2.7	2.9	<.010	<.010	--	--	<.100	<.100
AUG										
22...	1200	--	--	--	<.010	<.010	--	--	<.100	<.100

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO
(LAT 37 09 58 LONG 090 48 43)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
FEB										
15...	1255	9	80513	80513	.00	2.0	--	--	22.5	--
15...	1300	9	80513	80010	1.00	2.0	245	8.0	--	9.0
MAY										
30...	1135	9	80513	80513	.00	4.0	--	--	18.0	--
30...	1140	9	80513	80010	2.00	4.0	225	7.9	--	14.0
AUG										
22...	1125	9	80513	80513	.00	4.0	--	--	26.5	--
22...	1130	9	80513	80010	2.00	4.0	260	8.5	--	25.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
FEB										
15...	1255	8.4	.20	--	--	752	--	--	--	9
15...	1300	--	--	10.3	90	752	6	19	--	--
MAY										
30...	1135	9.6	.20	--	--	758	--	--	--	16
30...	1140	--	--	8.6	84	758	5	14	3.4	--
AUG										
22...	1125	10.8	.30	--	--	753	--	--	--	5
22...	1130	--	--	7.0	86	753	<1	17	3.4	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO--CONTINUED

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
FEB									
15...	1300	120	0	0	26	65	14	122	4.4
MAY									
30...	1140	--	--	--	--	--	--	45	--
AUG									
22...	1130	--	--	--	--	--	--	127	--

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
FEB									
15...	1300	--	--	--	--	--	--	5.00	<.100
MAY									
30...	1140	.700	<.010	2.0	2.7	.020	<.010	.900	<.100
AUG									
22...	1130	<.100	<.010	.70	--	.040	<.010	1.00	<.100

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO
(LAT 37 08 34 LONG 090 49 08)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
FEB										
15...	1245	9	80513	80513	.00	2.0	--	--	23.0	--
15...	1250	9	80513	80010	1.00	2.0	278	8.0	--	9.5
MAY										
30...	1125	9	80513	80513	.00	2.0	--	--	18.0	--
30...	1130	9	80513	80010	1.00	2.0	215	7.9	--	14.0
AUG										
22...	1100	9	80513	80513	.00	4.0	--	--	26.0	--
22...	1105	9	80513	80010	2.00	4.0	280	8.0	--	24.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
FEB										
15...	1245	16.8	.40	--	--	752	--	--	--	1
15...	1250	--	--	11.1	99	752	5	9.5	--	--
MAY										
30...	1125	>24.0	>.60	--	--	758	--	--	--	21
30...	1130	--	--	10.0	98	758	5	1.5	.5	--
AUG										
22...	1100	12.0	.30	--	--	753	--	--	--	19
22...	1105	--	--	5.4	65	753	<1	16	2.8	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
FEB									
15...	1250	130	0	0	27	68	15	133	3.9
MAY									
30...	1130	--	--	--	--	--	--	50	--
AUG									
22...	1105	--	--	--	--	--	--	129	--

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
FEB									
15...	1250	--	--	--	--	--	--	1.40	<.100
MAY									
30...	1130	.500	<.010	2.9	3.4	<.010	<.010	<.100	<.100
AUG									
22...	1105	.700	--	--	--	.100	.110	2.50	<.100

07075025 GREERS FERRY LAKE AT BRUSH CREEK, AR
(LAT 35 37 15 LONG 092 11 16)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC											
14...	1240	9	80513	80513	.00	55.0	--	--	3.5	--	52.8
14...	1241	9	80513	80010	3.00	55.0	--	--	--	--	--
14...	1245	9	80513	80010	11.0	55.0	56	7.2	--	8.0	--
14...	1250	9	80513	80010	44.0	55.0	70	7.2	--	8.0	--
MAY											
15...	1150	9	80513	80513	.00	60.0	--	--	21.0	--	30.0
15...	1151	9	80513	80010	3.00	60.0	--	--	--	--	--
15...	1155	9	80513	80010	12.0	60.0	42	7.9	--	17.5	--
15...	1200	9	80513	80010	48.0	60.0	44	7.3	--	13.5	--
AUG											
20...	1245	9	80513	80513	.00	56.0	--	--	29.0	--	94.8
20...	1246	9	80513	80010	3.00	56.0	--	--	--	--	--
20...	1250	9	80513	80010	11.0	56.0	52	7.5	--	28.0	--
20...	1255	9	80513	80010	45.0	56.0	99	6.9	--	17.5	--

BEST COPY AVAILABLE

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075025 GREERS FERRY LAKE AT BRUSH CREEK, AR--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
14...	1240	1.30	--	--	742	--	--	--	82	--	--
14...	1241	--	--	--	742	--	--	--	--	--	--
14...	1245	--	10.4	90	742	6	11	1.4	--	23	5
14...	1250	--	10.4	90	742	20	23	1.7	--	29	6
MAY											
15...	1150	.80	--	--	759	--	--	--	9	--	--
15...	1151	--	--	--	759	--	--	--	--	--	--
15...	1155	--	8.0	84	759	10	16	1.2	--	--	--
15...	1200	--	6.2	60	759	30	50	1.9	--	--	--
AUG											
20...	1245	2.40	--	--	751	--	--	--	1	--	--
20...	1246	--	--	--	751	--	--	--	--	--	--
20...	1250	--	7.3	95	751	3	2.5	1.4	--	--	--
20...	1255	--	7.1	75	751	5	55	1.2	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
14...	1245	5	7.3	18	1.1	18	5.0	3.6	.200	.120
14...	1250	6	9.6	24	1.2	23	7.0	4.1	.200	.120
MAY										
15...	1155	--	--	--	--	19	--	--	.100	.270
15...	1200	--	--	--	--	21	--	--	.200	.400
AUG										
20...	1250	--	--	--	--	18	--	--	<.100	--
20...	1255	--	--	--	--	43	--	--	.500	--

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
14...	1241	--	--	--	--	--	--	--	1.10	<.100
14...	1245	.08	.20	.40	.030	<.010	380	100	--	--
14...	1250	.08	.20	.40	.040	.030	590	60	--	--
MAY										
15...	1151	--	--	--	--	--	--	--	3.40	<.100
15...	1155	1.8	2.1	2.2	.040	<.010	--	--	--	--
15...	1200	1.9	2.3	2.5	.120	.020	--	--	--	--
AUG										
20...	1246	--	--	--	--	--	--	--	3.00	<.100
20...	1250	--	--	--	.020	<.010	--	--	--	--
20...	1255	--	--	--	.200	.060	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, AR
(LAT 35 36 24 LONG 092 30 14)

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE, AIR (DEG C) (00020)	TEMPER- ATURE (DEG C) (00010)
DEC										
14...	1315	9	80513	80513	.00	70.0	--	--	3.5	--
14...	1316	9	80513	80010	3.00	70.0	--	--	--	--
14...	1320	9	80513	80010	14.0	70.0	50	7.3	--	9.5
14...	1325	9	80513	80010	56.0	70.0	53	7.0	--	8.5
MAY										
15...	1220	9	80513	80513	.00	85.0	--	--	21.0	--
15...	1221	9	80513	80010	3.00	85.0	--	--	--	--
15...	1225	9	80513	80010	17.0	85.0	31	7.3	--	16.5
15...	1230	9	80513	80010	68.0	85.0	35	7.0	--	10.0
AUG										
20...	1210	9	80513	80513	.00	71.0	--	--	27.5	--
20...	1211	9	80513	80010	3.00	71.0	--	--	--	--
20...	1215	9	80513	80010	14.0	71.0	38	7.6	--	27.5
20...	1220	9	80513	80010	57.0	71.0	61	6.8	--	14.0

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC										
14...	1315	62.4	1.60	--	--	742	--	--	--	17
14...	1316	--	--	--	--	742	--	--	--	--
14...	1320	--	--	9.8	88	742	8	5.2	--	--
14...	1325	--	--	10.1	89	742	8	12	--	--
MAY										
15...	1220	46.8	1.20	--	--	760	--	--	--	4
15...	1221	--	--	--	--	760	--	--	--	--
15...	1225	--	--	7.6	78	760	5	7.8	1.2	--
15...	1230	--	--	5.3	47	760	5	5.6	.9	--
AUG										
20...	1210	86.4	2.20	--	--	752	--	--	--	7
20...	1211	--	--	--	--	752	--	--	--	--
20...	1215	--	--	7.5	96	752	2	1.5	1.3	--
20...	1220	--	--	.1	0	752	28	18	1.0	--

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3) (95902)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY FIELD (MG/L AS CACO3) (00410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
14...	1320	18	1	1	5.4	14	1.2	17	4.1	--
14...	1325	18	2	2	5.5	14	1.0	16	4.3	--
MAY										
15...	1225	--	--	--	--	--	--	13	--	.200
15...	1230	--	--	--	--	--	--	17	--	.300
AUG										
20...	1215	--	--	--	--	--	--	18	--	<.100
20...	1220	--	--	--	--	--	--	25	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, AR--CONTINUED

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
14...	1316	--	--	--	--	--	--	1.40	<.100
MAY									
15...	1221	--	--	--	--	--	--	1.70	<.100
15...	1225	.380	3.1	3.5	3.7	.020	<.010	--	--
15...	1230	.380	2.0	2.4	2.7	.010	<.010	--	--
AUG									
20...	1211	--	--	--	--	--	--	3.80	<.100
20...	1215	--	--	--	--	<.010	<.010	--	--

07075490 GREERS FERRY LAKE NEAR CLINTON, AR
(LAT 35 35 06 LONG 092 25 32)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
14...	1455	9	80513	80513	.00	4.0	--	--	1.5	--	43.2
14...	1500	9	80513	80010	2.00	4.0	29	6.2	--	8.0	--
MAY											
15...	1345	9	80513	80513	.00	8.0	--	--	20.0	--	38.4
15...	1346	9	80513	80010	3.00	8.0	--	--	--	--	--
15...	1350	9	80513	80010	4.00	8.0	19	7.0	--	19.0	--
AUG											
20...	1025	9	80513	80513	.00	4.0	--	--	27.0	--	>48.0
20...	1030	9	80513	80010	2.00	4.0	107	7.7	--	28.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
14...	1455	1.10	--	--	743	--	--	--	11	--	--
14...	1500	--	11.3	98	743	6	18	1.4	--	9	3
MAY											
15...	1345	1.00	--	--	758	--	--	--	57	--	--
15...	1346	--	--	--	758	--	--	--	--	--	--
15...	1350	--	7.8	85	758	5	3.5	1.1	--	--	--
AUG											
20...	1025	>1.20	--	--	751	--	--	--	K11	--	--
20...	1030	--	8.0	105	751	3	4.5	3.2	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075490 GREERS FERRY LAKE NEAR CLINTON, AR--CONTINUED

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
14...	1500	3	2.1	5.0	.80	6	3.0	4.3	.500	.090
MAY										
15...	1350	--	--	--	--	10	--	--	.400	.540
AUG										
20...	1030	--	--	--	--	25	--	--	1.10	--

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
14...	1500	.01	.10	.60	.030	<.010	450	50	.200	<.100
MAY										
15...	1346	--	--	--	--	--	--	--	.900	<.100
15...	1350	3.0	3.5	3.9	.010	<.010	--	--	--	--
AUG										
20...	1030	--	--	--	.030	<.010	--	--	14.0	<.100

07075602 GREERS FERRY LAKE NEAR CHOCTAW, AR
(LAT 35 31 27 LONG 092 25 04)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
14...	1525	9	80513	80513	.00	4.0	--	--	1.0	--
14...	1530	9	80513	80010	2.00	4.0	29	6.4	--	8.0
MAY										
15...	1415	9	80513	80513	.00	20.0	--	--	20.5	--
15...	1416	9	80513	80010	3.00	20.0	--	--	--	--
15...	1420	9	80513	80010	10.0	20.0	18	6.8	--	20.5
AUG										
20...	0945	9	80513	80513	.00	4.0	--	--	25.5	--
20...	0950	9	80513	80010	2.00	4.0	33	7.3	--	26.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
14...	1525	36.0	.90	--	--	742	--	--	--	20
14...	1530	--	--	11.3	98	742	15	26	--	--
MAY										
15...	1415	30.0	.80	--	--	758	--	--	--	4
15...	1416	--	--	--	--	758	--	--	--	--
15...	1420	--	--	7.5	84	758	5	8.1	1.5	--
AUG										
20...	0945	14.4	.40	--	--	751	--	--	--	4
20...	0950	--	--	6.7	84	751	2	8.5	1.8	--

BEST COPY AVAILABLE

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075602 GREERS FERRY LAKE NEAR CHOCTAW, AR--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLV (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
14...	1530	8	3	3	1.8	4.0	.90	5	5.8	--
MAY										
15...	1420	--	--	--	--	--	--	7	--	.100
AUG										
20...	0950	--	--	--	--	--	--	11	--	<.100

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
14...	1530	--	--	--	--	--	--	.200	<.100
MAY									
15...	1416	--	--	--	--	--	--	1.80	<.100
15...	1420	.500	3.3	3.8	3.9	.010	<.010	--	--
AUG									
20...	0950	--	--	--	--	.040	<.010	3.90	<.100

07075638 GREERS FERRY LAKE AT HIGDEN, AR
(LAT 35 33 48 LONG 092 11 48)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC											
14...	1335	9	80513	80513	.00	130	--	--	4.0	--	63.6
14...	1336	9	80513	80010	3.00	130	--	--	--	--	--
14...	1340	9	80513	80010	26.0	130	48	7.2	--	8.0	--
14...	1345	9	80513	80010	104	130	57	7.0	--	9.0	--
MAY											
15...	1250	9	80513	80513	.00	145	--	--	20.5	--	84.0
15...	1251	9	80513	80010	3.00	145	--	--	--	--	--
15...	1255	9	80513	80010	29.0	145	30	7.4	--	16.0	--
15...	1300	9	80513	80010	116	145	88	7.1	--	8.0	--
AUG											
21...	1130	9	80513	80513	.00	131	--	--	28.5	--	200
21...	1131	9	80513	80010	3.00	131	--	--	--	--	--
21...	1135	9	80513	80010	26.0	131	36	7.6	--	26.5	--
21...	1140	9	80513	80010	105	131	49	7.1	--	10.0	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075638 GREERS FERRY LAKE AT HIGDEN, AR--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
14...	1335	1.60	--	--	742	--	--	--	3	--	--
14...	1336	--	--	--	742	--	--	--	--	--	--
14...	1340	--	10.4	90	742	4	7.5	.8	3	19	3
14...	1345	--	9.0	80	742	18	25	1.1	--	23	5
MAY											
15...	1250	2.10	--	--	759	--	--	--	1	--	--
15...	1251	--	--	--	759	--	--	--	--	--	--
15...	1255	--	8.7	88	759	5	5.0	1.0	--	--	--
15...	1300	--	7.7	65	759	5	5.1	.7	--	--	--
AUG											
21...	1130	5.1	--	--	753	--	--	--	2	--	--
21...	1131	--	--	--	753	--	--	--	--	--	--
21...	1135	--	7.3	92	753	2	1.0	1.1	--	--	--
21...	1140	--	.2	2	753	2	6.5	.9	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
14...	1340	3	5.8	14	1.0	16	4.0	4.1	.100	.200
14...	1345	5	7.3	18	1.1	18	5.0	3.6	.200	.120
MAY										
15...	1255	--	--	--	--	13	--	--	.200	.230
15...	1300	--	--	--	--	14	--	--	.200	.250
AUG										
21...	1135	--	--	--	--	11	--	--	<.100	--
21...	1140	--	--	--	--	18	--	--	.200	--

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
14...	1336	--	--	--	--	--	--	--	.600	<.100
14...	1340	.00	.20	.30	.020	<.010	340	270	--	--
14...	1345	.18	.30	.50	.030	<.010	850	200	--	--
MAY										
15...	1251	--	--	--	--	--	--	--	.600	<.100
15...	1255	2.5	2.7	2.9	<.010	<.010	--	--	--	--
15...	1300	2.1	2.3	2.5	<.010	<.010	--	--	--	--
AUG										
21...	1131	--	--	--	--	--	--	--	.300	<.100
21...	1135	--	--	--	<.010	<.010	--	--	--	--
21...	1140	--	--	--	<.010	<.010	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, AR
(LAT 35 30 12 LONG 092 05 32)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
14...	1130	9	80513	80513	.00	60.0	--	--	3.0	--
14...	1131	9	80513	80010	3.00	60.0	--	--	--	--
14...	1135	9	80513	80010	12.0	60.0	42	6.9	--	10.0
14...	1140	9	80513	80010	48.0	60.0	42	7.0	--	10.0
MAY										
15...	1010	9	80513	80513	.00	75.0	--	--	15.5	--
15...	1011	9	80513	80010	3.00	75.0	--	--	--	--
15...	1015	9	80513	80010	15.0	75.0	32	7.6	--	16.5
15...	1020	9	80513	80010	60.0	75.0	33	7.5	--	12.0
AUG										
21...	0940	9	80513	80513	.00	55.0	--	--	28.0	--
21...	0941	9	80513	80010	3.00	55.0	--	--	--	--
21...	0945	9	80513	80010	11.0	55.0	36	7.6	--	27.0
21...	0950	9	80513	80010	44.0	55.0	37	7.0	--	15.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
14...	1130	81.6	2.10	--	--	742	--	--	--	4
14...	1131	--	--	--	--	742	--	--	--	--
14...	1135	--	--	9.5	86	742	2	4.4	--	--
14...	1140	--	--	9.5	86	742	6	6.1	--	--
MAY										
15...	1010	69.6	1.80	--	--	759	--	--	--	1
15...	1011	--	--	--	--	759	--	--	--	--
15...	1015	--	--	9.1	94	759	5	3.1	1.0	--
15...	1020	--	--	8.6	80	759	3	4.0	.8	--
AUG										
21...	0940	136	3.4	--	--	753	--	--	--	4
21...	0941	--	--	--	--	753	--	--	--	--
21...	0945	--	--	7.7	98	753	1	1.2	.8	--
21...	0950	--	--	2.8	28	753	1	1.0	.6	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
14...	1135	14	2	2	4.3	11	.90	12	3.0	--
14...	1140	14	0	0	4.0	10	.90	13	3.9	--
MAY										
15...	1015	--	--	--	--	--	--	15	--	.200
15...	1020	--	--	--	--	--	--	12	--	.200
AUG										
21...	0945	--	--	--	--	--	--	12	--	<.100
21...	0950	--	--	--	--	--	--	12	--	.200

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, AR--CONTINUED

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
14...	1131	--	--	--	--	--	--	.500	<.100
MAY									
15...	1011	--	--	--	--	--	--	.400	<.100
15...	1015	.350	2.4	2.7	2.9	<.010	<.010	--	--
15...	1020	.340	3.4	3.7	3.9	<.010	<.010	--	--
AUG									
21...	0941	--	--	--	--	--	--	<.100	<.100
21...	0945	--	--	--	--	<.010	<.010	--	--
21...	0950	--	--	--	--	<.010	<.010	--	--

ARKANSAS RIVER BASIN

07247095 BLACK FORK AT BLACK FORK, AR
(LAT 34 45 43 LONG 094 25 52)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JUL											
13...	1100	9	80513	80010	.02	51	6.7	29.0	6.0	765	3.2

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUL										
13...	1100	1.7	3.1	1.1	10	3.0	<.10	5.9	39	.11

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
JUL										
13...	1100	70	3	2	100	<10	<20	<20	1	10

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
JUL										
13...	1100	4	<1	1500	360	3	<10	250	<.1	<1

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07247095 BLACK FORK AT BLACK FORK, AR--CONTINUED

DATE	TIME	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL										
13...	1100	<1	<1	<1	50	40	.0	2.7	14	58

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, AR
(LAT 35 07 37 LONG 093 48 35)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
DEC										
06...	0815	9	80513	80513	.00	6.0	--	--	.0	--
06...	0820	9	80513	80010	3.00	6.0	63	6.7	--	7.5
MAY										
07...	1750	9	80513	80513	.00	10.0	--	--	21.0	--
07...	1751	9	80513	80010	3.00	10.0	--	--	--	--
07...	1755	9	80513	80010	5.00	10.0	64	6.8	--	17.5
AUG										
28...	0900	9	80513	80513	.00	3.0	--	--	25.0	--
28...	0905	9	80513	80010	1.50	3.0	106	6.9	--	23.5

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC										
06...	0815	4.8	.10	--	--	757	--	--	--	240
06...	0820	--	--	10.4	87	757	80	45	2.1	--
MAY										
07...	1750	12.0	.30	--	--	758	--	--	--	--
07...	1751	--	--	--	--	758	--	--	--	--
07...	1755	--	--	8.1	85	758	40	40	2.1	--
AUG										
28...	0900	14.4	.40	--	--	760	--	--	--	57
28...	0905	--	--	5.0	59	760	3	4.5	1.9	--

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
06...	0820	16	5	5	2.9	7.0	2.1	11	6.4	--
MAY										
07...	1755	--	--	--	--	--	--	16	--	.200
AUG										
28...	0905	--	--	--	--	--	--	41	--	<.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, AR--CONTINUED

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
06...	0820	--	--	--	--	--	--	.700	<.100
MAY									
07...	1751	--	--	--	--	--	--	3.50	<.100
07...	1755	.210	.59	.80	1.0	.080	.050	--	--
AUG									
28...	0905	--	--	--	--	.020	<.010	1.80	<.100

07258680 SUGAR CREEK NEAR BOONEVILLE, AR
(LAT 35 02 05 LONG 093 50 47)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JUL											
13...	1425	9	80513	80010	.03	57	6.8	31.0	7.5	765	2.3

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
JUL											
13...	1425	1.9	3.4	1.3	11	10	4.7	<.10	7.4	46	38

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
JUL											
13...	1425	<.10	30	<1	2	<100	<10	50	<20	1	10

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
JUL										
13...	1425	1	<1	980	500	1	<10	50	.2	<1

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL										
13...	1425	<1	<1	<1	40	10	.0	2.8	9	40

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07258699 BLUE MOUNTAIN LAKE AT SUGAR GROVE, AR
(LAT 35 04 41 LONG 093 49 05)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
06...	0715	9	80513	80513	.00	8.0	--	--	-.5	--
06...	0716	9	80513	80010	3.00	8.0	--	--	--	--
06...	0720	9	80513	80010	4.00	8.0	32	6.5	--	9.0
MAY										
07...	1650	9	80513	80513	.00	4.0	--	--	20.0	--
07...	1655	9	80513	80010	2.00	4.0	28	6.5	--	15.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
06...	0715	38.4	1.00	--	--	756	--	--	--	66
06...	0716	--	--	--	--	756	--	--	--	--
06...	0720	--	--	10.4	91	756	25	11	--	--
MAY										
07...	1650	30.0	.80	--	--	758	--	--	--	K530
07...	1655	--	--	--	--	758	20	10	1.0	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC									
06...	0720	8	3	3	1.3	3.0	1.1	5	4.1
MAY									
07...	1655	--	--	--	--	--	--	6	--

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
06...	0716	--	--	--	--	--	--	.100	<.100
MAY									
07...	1655	<.100	.310	.09	.40	<.010	<.010	.100	<.100

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, AR
(LAT 35 05 50 LONG 093 48 08)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
06...	0740	9	80513	80513	.00	15.0	--	--	-.5	--	18.0
06...	0745	9	80513	80010	3.00	15.0	56	6.8	--	8.0	--
06...	0750	9	80513	80010	12.0	15.0	61	6.5	--	7.5	--
MAY											
07...	1720	9	80513	80513	.00	28.0	--	--	20.0	--	12.0
07...	1721	9	80513	80010	3.00	28.0	--	--	--	--	--
07...	1725	9	80513	80010	5.50	28.0	62	6.8	--	17.5	--
07...	1730	9	80513	80010	22.5	28.0	44	6.6	--	17.0	--
AUG											
28...	0800	9	80513	80513	.00	12.0	--	--	24.0	--	19.2
28...	0801	9	80513	80010	3.00	12.0	--	--	--	--	--
28...	0805	9	80513	80010	2.50	12.0	78	6.8	--	25.0	--
28...	0810	9	80513	80010	9.50	12.0	112	6.5	--	23.5	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, AR--CONTINUED

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
06...	0740	.50	--	--	757	--	--	--	K1700	--	--
06...	0745	--	10.2	87	757	80	45	2.0	--	14	3
06...	0750	--	10.4	87	757	80	50	1.7	--	15	5
MAY											
07...	1720	.30	--	--	758	--	--	--	K450	--	--
07...	1721	--	--	--	758	--	--	--	--	--	--
07...	1725	--	7.9	83	758	--	20	1.5	--	--	--
07...	1730	--	8.3	86	758	30	16	1.8	--	--	--
AUG											
28...	0800	.50	--	--	760	--	--	--	12	--	--
28...	0801	--	--	--	760	--	--	--	--	--	--
28...	0805	--	5.8	70	760	5	5.0	2.2	--	--	--
28...	0810	--	.1	1	760	5	25	2.2	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
06...	0745	3	2.6	6.0	1.9	11	7.0	6.9	.300	.050
06...	0750	5	2.7	7.0	2.1	10	8.0	6.0	.400	.080
MAY										
07...	1725	--	--	--	--	14	--	--	.100	.080
07...	1730	--	--	--	--	10	--	--	<.100	.080
AUG										
28...	0805	--	--	--	--	27	--	--	<.100	--
28...	0810	--	--	--	--	35	--	--	<.100	--

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
06...	0745	.65	.70	1.0	.070	.050	2700	80	.700	<.100
06...	0750	1.2	1.3	1.7	.080	.050	2900	90	--	--
MAY										
07...	1721	--	--	--	--	--	--	--	.800	<.100
07...	1725	.52	.60	.70	.050	.020	--	--	--	--
07...	1730	.52	.60	--	.020	<.010	--	--	--	--
AUG										
28...	0801	--	--	--	--	--	--	--	2.00	<.100
28...	0805	--	--	--	.020	<.010	--	--	--	--
28...	0810	--	--	--	.030	<.010	--	--	--	--

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, AR
(LAT 35 06 14 LONG 093 42 26)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
DEC										
05...	1655	9	80513	80513	.00	6.0	--	--	10.0	--
05...	1700	9	80513	80010	3.00	6.0	86	7.0	--	9.0
MAY										
08...	0930	9	80513	80513	.00	4.0	--	--	13.0	--
08...	0935	9	80513	80010	2.00	4.0	54	6.7	--	17.0
AUG										
27...	1630	9	80513	80513	.00	8.0	--	--	41.0	--
27...	1631	9	80513	80010	3.00	8.0	--	--	--	--
27...	1635	9	80513	80010	4.00	8.0	68	7.2	--	27.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, AR--CONTINUED

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC										
05...	1655	18.0	.50	--	--	749	--	--	--	78
05...	1700	--	--	10.0	88	749	40	16	--	--
MAY										
08...	0930	7.2	.20	--	--	768	--	--	--	K700
08...	0935	--	--	8.0	82	768	50	27	2.0	--
AUG										
27...	1630	9.6	20	--	--	760	--	--	--	7
27...	1631	--	--	--	--	760	--	--	--	--
27...	1635	--	--	8.8	112	760	4	25	2.5	--

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
05...	1700	24	4	4	3.9	10	3.5	20	6.9	--
MAY										
08...	0935	--	--	--	--	--	--	11	--	.100
AUG										
27...	1635	--	--	--	--	--	--	20	--	<.100

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
05...	1700	--	--	--	--	--	--	.200	<.100
MAY									
08...	0935	.100	.30	.40	.50	.050	.010	2.80	.700
AUG									
27...	1631	--	--	--	--	--	--	1.70	<.100
27...	1635	--	--	--	--	.030	<.010	--	--

07261400 MILL CREEK NEAR BOLES, AR
(LAT 34 44 14 LONG 094 04 49)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JUL											
12...	1615	9	80513	80010	.01	56	7.2	29.0	6.7	763	3.0

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL											
12...	1615	2.3	2.2	1.2	<1.0	11	2.6	<.10	3.3	46	.31

BEST COPY AVAILABLE

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261400 MILL CREEK NEAR BOLES, AR--CONTINUED

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
JUL 12...	1615	120	<1	1	<100	<10	<20	<20	1	10

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
JUL 12...	1615	2	1	850	220	3	<10	100	.3	47

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL 12...	1615	1	1	<1	40	10	.0	2.5	11	30

07261600 GAFFORDS CREEK NEAR BLUFFTON, AR
(LAT 34 53 52 LONG 093 36 45)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JUL 13...	1645	9	80513	80010	.05	58	6.7	30.5	6.2	765	2.0

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
JUL 13...	1645	2.0	3.5	1.4	12	9.6	2.6	<.10	7.9	38	36

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
JUL 13...	1645	<.10	100	<1	1	100	<10	150	<20	1	10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261600 GAFFORDS CREEK NEAR BLUFFTON, AR--CONTINUED

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
JUL										
13...	1645	3	<1	510	190	2	<10	140	<.1	<1

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL										
13...	1645	<1	<1	<1	60	30	.0	1.1	13	44

07261820 NIMROD LAKE AT HIGHWAY 27 BRIDGE, AR
(LAT 34 55 36 LONG 093 24 36)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
05...	1500	9	80513	80513	.00	10.0	--	--	15.0	--	12.0
05...	1505	9	80513	80010	2.00	10.0	33	6.4	--	9.5	--
05...	1506	9	80513	80010	3.00	10.0	--	--	--	--	--
05...	1510	9	80513	80010	8.00	10.0	33	6.7	--	9.5	--
MAY											
07...	1500	9	80513	80513	.00	36.0	--	--	17.0	--	14.4
07...	1501	9	80513	80010	3.00	36.0	--	--	--	--	--
07...	1505	9	80513	80010	18.0	36.0	30	6.5	--	16.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
05...	1500	.30	--	--	749	--	--	--	230	--	--
05...	1505	--	10.1	90	749	38	19	1.5	--	8	0
05...	1506	--	--	--	749	--	--	--	--	--	--
05...	1510	--	10.1	90	749	42	20	1.5	--	8	2
MAY											
07...	1500	.40	--	--	758	--	--	--	K210	--	--
07...	1501	--	--	--	758	--	--	--	--	--	--
07...	1505	--	8.2	84	758	20	9.5	1.6	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
05...	1505	0	1.3	3.0	1.1	7	3.0	3.9	.300	.020
05...	1510	2	1.4	3.5	1.2	6	4.0	3.9	.300	.020
MAY										
07...	1505	--	--	--	--	8	--	--	.100	.080

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261820 NIMROD LAKE AT HIGHWAY 27 BRIDGE, AR--CONTINUED

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
05...	1505	.48	.50	.80	.030	.010	760	30	--	--
05...	1506	--	--	--	--	--	--	--	.300	<.100
05...	1510	.88	.90	1.2	.020	.020	00	--	--	--
MAY										
07...	1501	--	--	--	--	--	--	--	1.10	<.100
07...	1505	.22	.30	.40	.030	<.010	--	--	--	--

07261880 NIMROD LAKE AT PLAINVIEW, AR
(LAT 34 59 03 LONG 093 18 36)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
05...	1415	9	80513	80513	.00	2.0	--	--	15.5	--
05...	1420	9	80513	80010	1.00	2.0	48	6.4	--	9.5
MAY										
07...	1430	9	80513	80513	.00	4.0	--	--	17.0	--
07...	1435	9	80513	80010	2.00	4.0	66	6.7	--	17.0
AUG										
27...	1230	9	80513	80513	.00	2.0	--	--	31.0	--
27...	1235	9	80513	80010	1.00	2.0	52	7.0	--	23.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
05 ..	1415	15.6	.40	--	--	749	--	--	--	210
05...	1420	--	--	10.4	93	749	30	15	--	--
MAY										
07...	1430	7.2	.20	--	--	758	--	--	--	--
07...	1435	--	--	8.[illegible]	86	758	70	55	4.6	--
AUG										
27...	1230	14.4	.40	--	--	762	--	--	--	25
27...	1235	--	--	6.6	78	762	4	7.3	2.2	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
05...	1420	12	2	2	2.0	5.0	1.7	10	5.4	--
MAY										
07...	1435	--	--	--	--	--	--	18	--	.200
AUG										
27...	1235	--	--	--	--	--	--	20	--	<.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
05...	1420	--	--	--	--	--	--	.400	<.100
MAY									
07...	1435	.300	.70	1.0	.2	.280	.220	1.60	.700
AUG									
27...	1235	--	--	--	--	.020	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261910 NIMROD LAKE NEAR WARDS CROSSING, AR
(LAT 34 57 03 LONG 093 19 24)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
05...	1305	9	80513	80513	.00	9.0	--	-	16.0	--	12.0
05...	1306	9	80513	80010	3.00	9.0	--	--	--	--	--
05...	1310	9	80513	80010	4.50	9.0	32	6.7	--	9.5	--
MAY											
07...	1300	9	80513	80513	.00	36.0	--	--	17.0	--	24.0
07...	1301	9	80513	80010	3.00	36.0	--	--	--	--	--
07...	1305	9	80513	80010	18.0	36.0	28	6.5	--	16.0	--
AUG											
27...	1100	9	80513	80513	.00	13.0	--	--	32.0	--	16.8
27...	1101	9	80513	80010	3.00	13.0	--	--	--	--	--
27...	1105	9	80513	80010	6.50	13.0	38	6.7	--	24.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
05...	1305	.30	--	--	749	--	--	--	620	--	--
05...	1306	--	--	--	749	--	--	--	--	--	--
05...	1310	--	9.5	85	749	50	30	1.6	--	8	2
MAY											
07...	1300	.60	--	--	758	--	--	--	150	--	--
07...	1301	--	--	--	758	--	--	--	--	--	--
07...	1305	--	8.2	84	758	30	14	1.5	--	--	--
AUG											
27...	1100	.40	--	--	765	--	--	--	0	--	--
27...	1101	--	--	--	765	--	--	--	--	--	--
27...	1105	--	5.6	67	765	4	15	4.3	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
05...	1310	2	1.3	3.0	1.1	6	3.0	3.4	.200	.030
MAY										
07...	1305	--	--	--	--	7	--	--	.100	.030
AUG										
27...	1105	--	--	--	--	12	--	--	<.100	--

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
05...	1306	--	--	--	--	--	--	--	.800	<.100
05...	1310	1.3	1.3	1.5	.070	.030	1600	60	--	--
MAY										
07...	1301	--	--	--	--	--	--	--	.500	<.100
07...	1305	.37	.40	.50	.010	<.010	--	--	--	--
AUG										
27...	1105	--	--	--	.040	.010	--	--	--	--

BEST COPY AVAILABLE

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261925 NIMROD LAKE ON PRAIRIE CREEK, AR
(LAT 34 56 54 LONG 093 17 12)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
05...	1235	9	80513	80513	.00	9.0	--	--	15.5	--
05...	1236	9	80513	80010	3.00	9.0	--	--	--	--
05...	1240	9	80513	80010	4.50	9.0	31	6.9	--	8.5
MAY										
07...	1235	9	80513	80513	.00	18.0	--	--	18.0	--
07...	1236	9	80513	80010	3.00	18.0	--	--	--	--
07...	1240	9	80513	80010	9.00	18.0	28	6.2	--	16.5
AUG										
27...	1030	9	80513	80513	.00	6.0	--	--	30.0	--
27...	1035	9	80513	80010	3.00	6.0	36	6.8	--	24.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
05...	1235	12.0	.30	--	--	748	--	--	--	770
05...	1236	--	--	--	--	748	--	--	--	--
05...	1240	--	--	9.6	84	748	55	31	--	--
MAY										
07...	1235	19.2	.50	--	--	758	--	--	--	20
07...	1236	--	--	--	--	758	--	--	--	--
07...	1240	--	--	8.1	83	758	50	17	2.5	--
AUG										
27...	1030	7.2	.20	--	--	764	--	--	--	1
27...	1035	--	--	6.7	80	764	2	25	2.8	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC									
05...	1240	8	0	0	1.4	4.0	1.1	9	3.9
MAY									
07...	1240	--	--	--	--	--	--	6	--
AUG									
27...	1035	--	--	--	--	--	--	12	--

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
05...	1236	--	--	--	--	--	--	8.10	1.20
MAY									
07...	1236	--	--	--	--	--	--	3.90	.900
07...	1240	<.100	.060	.44	.50	.020	<.010	--	--
AUG									
27...	1035	<.100	--	--	--	.030	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261950 NIMROD LAKE NEAR CARTER COVE, AR
(LAT 34 57 22 LONG 093 14 56)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
DEC										
05...	1140	9	80513	80513	.00	9.0	--	--	15.5	--
05...	1141	9	80513	80010	3.00	9.0	--	--	--	--
05...	1145	9	80513	80010	4.50	9.0	38	6.5	--	8.0
MAY										
07...	1100	9	80513	80513	.00	14.0	--	--	18.0	--
07...	1101	9	80513	80010	3.00	14.0	--	--	--	--
07...	1105	9	80513	80010	7.00	14.0	32	6.6	--	19.0
AUG										
27...	1000	9	80513	80513	.00	4.0	--	--	29.0	--
27...	1005	9	80513	80010	2.00	4.0	38	6.6	--	23.0
27...	1006	9	80513	80010	3.00	4.0	--	--	--	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
05...	1140	14.4	.40	--	--	749	--	--	--	160
05...	1141	--	--	--	--	749	--	--	--	--
05...	1145	--	--	10.2	88	749	30	20	--	--
MAY										
07...	1100	30.0	.80	--	--	758	--	--	--	41
07...	1101	--	--	--	--	758	--	--	--	--
07...	1105	--	--	8.2	89	758	--	8.5	1.9	--
AUG										
27...	1000	19.2	.50	--	--	764	--	--	--	4
27...	1005	--	--	5.7	66	764	3	14	2.4	--
27...	1006	--	--	--	--	764	--	--	--	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC									
05...	1145	9	0	0	1.6	4.0	1.3	10	3.9
MAY									
07...	1105	--	--	--	--	--	--	8	--
AUG									
27...	1005	--	--	--	--	--	--	12	--

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
05...	1141	--	--	--	--	--	--	4.60	1.20
MAY									
07...	1101	--	--	--	--	--	--	13.0	<.100
07...	1105	<.100	.080	.52	.60	.040	<.010	--	--
AUG									
27...	1005	<.100	--	--	--	.040	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN

07339430 DEQUEEN LAKE AT ROBINSON CREEK NEAR GILLHAM, AR
(LAT 34 09 49 LONG 094 24 18)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC											
13...	0840	9	80513	80513	.00	12.0	--	--	5.0	--	48.0
13...	0841	9	80513	80010	3.00	12.0	--	--	--	--	--
13...	0845	9	80513	80010	6.00	12.0	33	7.3	--	9.0	--
MAY											
08...	1500	9	80513	80513	.00	22.0	--	--	22.0	--	45.6
08...	1501	9	80513	80010	3.00	22.0	--	--	--	--	--
08...	1505	9	80513	80010	11.0	22.0	34	6.7	--	--	--
AUG											
28...	1630	9	80513	80513	.00	10.0	--	--	37.0	--	36.0
28...	1631	9	80513	80010	3.00	10.0	--	--	--	--	--
28...	1635	9	80513	80010	5.00	10.0	54	7.0	--	27.0	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
13...	0840	1.20	--	--	747	--	--	--	K460	--	--
13...	0841	--	--	--	747	--	--	--	--	--	--
13...	0845	--	10.9	96	747	17	8.6	.6	--	7	0
MAY											
08...	1500	1.20	--	--	765	--	--	--	78	--	--
08...	1501	--	--	--	765	--	--	--	--	--	--
08...	1505	--	9.2	--	765	15	6.3	1.8	--	10	2
AUG											
28...	1630	.90	--	--	761	--	--	--	3	--	--
28...	1631	--	--	--	761	--	--	--	--	--	--
28...	1635	--	9.9	125	761	3	2.3	2.4	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
13...	0845	0	1.5	4.0	.80	.9	7	5.0	4.3	.500
MAY										
08...	1505	2	2.7	7.0	.80	.8	8	3.6	2.2	.300
AUG										
28...	1635	--	--	--	--	--	13	3.2	3.6	<.100

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
DEC										
13...	0845	.080	.12	.20	.70	.040	.020	290	1	10
MAY										
08...	1505	.050	.15	.20	.50	.030	.020	200	<1	<10
AUG										
28...	1635	--	--	--	--	.050	.010	110	1	10

BEST [illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07339430 DEQUEEN LAKE AT ROBINSON CREEK NEAR GILLHAM, AR--CONTINUED

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
13...	0841	--	--	--	--	--	--	--	.500	<.100
13...	0845	3	480	6	10	<.1	1	90	--	--
MAY										
08...	1501	--	--	--	--	--	--	--	<.100	<.100
08...	1505	<1	440	<1	10	.1	2	<10	--	--
AUG										
28...	1631	--	--	--	--	--	--	--	4.00	<.100
28...	1635	1	280	2	20	<.1	2	10	--	--

07339440 DEQUEEN LAKE AT BELLAH CREEK NEAR KELLUM, AR
(LAT 34 07 07 LONG 094 23 10)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC											
13...	0915	9	80513	80513	.00	50.0	--	--	5.0	--	18.0
13...	0916	9	80513	80010	3.00	50.0	--	--	--	--	--
13...	0920	9	80513	80010	10.0	50.0	40	7.2	--	10.5	--
13...	0925	9	80513	80010	40.0	50.0	40	7.2	--	10.5	--
MAY											
08...	1715	9	80513	80513	.00	58.0	--	--	22.0	--	31.2
08...	1716	9	80513	80010	3.00	58.0	--	--	--	--	--
08...	1720	9	80513	80010	11.5	58.0	32	6.9	--	19.0	--
08...	1725	9	80513	80010	41.5	58.0	30	6.5	--	15.0	--
AUG											
28...	1600	9	80513	80513	.00	46.0	--	--	37.0	--	67.2
28...	1601	9	80513	80010	3.00	46.0	--	--	--	--	--
28...	1605	9	80513	80010	9.00	46.0	36	7.5	--	25.5	--
28...	1610	9	80513	80010	37.0	46.0	64	6.3	--	17.0	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
13...	0915	.50	--	--	747	--	--	--	320	--	--
13...	0916	--	--	--	747	--	--	--	--	--	--
13...	0920	--	9.0	82	747	23	16	1.4	--	9	0
13...	0925	--	8.8	80	747	22	16	1.1	--	8	0
MAY											
08...	1715	.80	--	--	765	--	--	--	9	--	--
08...	1716	--	--	--	765	--	--	--	--	--	--
08...	1720	--	9.3	100	765	10	4.1	2.7	--	7	0
08...	1725	--	7.4	73	765	28	14	2.1	--	7	0
AUG											
28...	1600	1.70	--	--	761	--	--	--	K9	--	--
28...	1601	--	--	--	761	--	--	--	--	--	--
28...	1605	--	7.7	94	761	3	1.0	2.2	--	--	--
28...	1610	--	.7	7	761	95	4.0	.9	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07339440 DEQUEEN LAKE AT BELLAH CREEK NEAR KELLUM, AR--CONTINUED

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
13...	0920	0	2.1	5.0	.90	9	2.0	3.6	.300	.130
13...	0925	0	1.9	5.0	.80	9	3.0	4.1	.300	.140
MAY										
08...	1720	0	1.8	5.0	.70	9	3.8	1.8	.100	.060
08...	1725	0	1.8	5.0	.70	8	3.8	1.6	.200	.150
AUG										
28...	1605	--	--	--	--	12	--	3.8	<.100	--
28...	1610	--	--	--	--	18	--	3.0	<.100	--

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
13...	0916	--	--	--	--	--	--	--	4.10	1.30
13...	0920	.17	.30	.60	.040	<.010	430	20	--	--
13...	0925	.26	.40	.70	.030	<.010	630	20	--	--
MAY										
08...	1716	--	--	--	--	--	--	--	<.100	<.100
08...	1720	.34	.40	.50	.010	<.010	170	<10	--	--
08...	1725	.15	.30	.50	.020	.020	380	<10	--	--
AUG										
28...	1601	--	--	--	--	--	--	--	2.60	<.100
28...	1605	--	--	--	.010	<.010	--	--	--	--
28...	1610	--	--	--	.120	.100	--	--	--	--

07340290 BRUSHY CREEK NEAR HARTLEY, AR
(LAT 34 26 08 LONG 094 13 45)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAY											
02...	1330	9	80513	80010	127	21	6.6	18.0	14.0	10.3	751
JUL											
12...	1025	9	80513	80010	.02	42	7.0	--	20.0	7.2	764

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
MAY											
02...	1330	2.9	.80	1.0	.60	5.0	4.0	2.3	<.10	5.8	44
JUL											
12...	1025	1.9	1.6	2.4	1.0	9.0	10	2.4	<.10	11	44

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)
MAY											
02...	1330	20	<.10	130	<1	1	100	<10	<20	<20	1
JUL											
12...	1025	36	.28	150	<1	1	100	<10	<20	<20	1

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340290 BRUSHY CREEK NEAR HARTLEY, AR--CONTINUED

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)
MAY 02...	1330	10	1	5	260	210	47	6	<10	20	<.1
JUL 12...	1025	10	2	1	290	--	59	1	<10	20	<.1

DATE	TIME	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY 02...	1330	<1	2	<1	<1	30	<10	<.4	1.5	5	20
JUL 12...	1025	<1	<1	<1	<1	50	10	.0	1.5	14	38

07340300 COSSATOT RIVER NEAR VANDERVOORT, AR
(LAT 34 22 46 LONG 094 14 08)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JUL 12...	0900	9	80513	80010	37	69	7.4	27.0	7.0	763	7.4

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
JUL 12...	0900	1.8	1.9	.80	26	11	2.3	<.10	6.5	50	47

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
JUL 12...	0900	<.10	<10	<1	1	<100	<10	<20	<20	2	20

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
JUL 12...	0900	1	1	100	36	3	<10	20	<.1	<1

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340300 COSSATOT RIVER NEAR VANDERVOORT, AR--CONTINUED

DATE	TIME	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL 12...	0900	<1	<1	<1	70	10	.0	3.9	7	34

07340430 GILLHAM LAKE AT DUCKETT FORD NEAR UMPIRE, AR
(LAT 34 15 46 LONG 094 11 34)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC 12...	1615	9	80513	80513	.00	32.0	--	--	10.5	--	26.4
12...	1616	9	80513	80010	3.00	32.0	--	--	--	--	--
12...	1620	9	80513	80010	16.0	32.0	27	7.2	--	11.0	--
MAY 09...	1045	9	80513	80513	.00	16.0	--	--	28.0	--	50.4
09...	1046	9	80513	80010	3.00	16.0	--	--	--	--	--
09...	1050	9	80513	80010	8.00	16.0	38	7.1	--	15.0	--
AUG 29...	0930	9	80513	80513	.00	6.0	--	--	29.0	--	60.0
29...	0935	9	80513	80010	3.00	6.0	50	7.0	--	25.0	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)
DEC 12...	1615	.70	--	--	749	--	--	--	110	--
12...	1616	--	--	--	749	--	--	--	--	--
12...	1620	--	10.2	94	749	20	9.0	.6	--	6
MAY 09...	1045	1.30	--	--	762	--	--	--	44	--
09...	1046	--	--	--	762	--	--	--	--	--
09...	1050	--	8.7	86	762	10	4.5	2.6	--	7
AUG 29...	0930	1.50	--	--	758	--	--	--	5	--
29...	0935	--	6.1	74	758	1	1.2	.8	--	--

DATE	TIME	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
DEC 12...	1620	0	0	1.4	4.0	.70	.7	7	3.0	3.6
MAY 09...	1050	0	0	1.5	4.0	.70	.6	8	3.1	1.5
AUG 29...	0935	--	--	--	--	--	--	21	3.2	2.2

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
DEC 12...	1620	<.100	.020	.18	.20	.020	<.010	260	<1	10
MAY 09...	1050	<.100	.090	.11	.20	<.010	<.010	100	<1	10
AUG 29...	0935	<.100	--	--	--	<.010	<.010	110	<1	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340430 GILLHAM LAKE AT DUCKETT FORD NEAR UMPIRE, AR--CONTINUED

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
12...	1616	--	--	--	--	--	--	--	.300	<.100
12...	1620	1	360	1	10	<.1	<1	10	--	--
MAY										
09...	1046	--	--	--	--	--	--	--	<.100	<.100
09...	1050	1	140	<1	20	<.1	1	10	--	--
AUG										
29...	0935	1	320	2	30	<.1	2	20	<.100	<.100

07340435 GILLHAM LAKE (OPOSSUM CREEK ARM) NEAR DUCKETT, AR
(LAT 34 15 14 LONG094 13 08)

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC											
12...	1600	9	80513	80513	.00	46.0	--	--	10.5	--	24.0
12...	1601	9	80513	80010	3.00	46.0	--	--	--	--	--
12...	1605	9	80513	80010	23.0	46.0	31	6.5	--	11.0	--
MAY											
09...	1020	9	80513	80513	.00	36.0	--	--	28.0	--	33.6
09...	1021	9	80513	80010	3.00	36.0	--	--	--	--	--
09...	1025	9	80513	80010	18.0	36.0	50	7.0	--	16.5	--
AUG											
29...	0900	9	80513	80513	.00	22.0	--	--	27.0	--	52.8
29...	0901	9	80513	80010	3.00	22.0	--	--	--	--	--
29...	0905	9	80513	80010	11.0	22.0	38	6.4	--	26.0	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
12...	1600	.60	--	--	749	--	--	--	240	--	--
12...	1601	--	--	--	749	--	--	--	--	--	--
12...	1605	--	9.4	87	749	20	18	.6	--	7	0
MAY											
09...	1020	.90	--	--	762	--	--	--	120	--	--
09...	1021	--	--	--	762	--	--	--	--	--	--
09...	1025	--	7.9	81	762	15	8.4	3.4	--	8	0
AUG											
29...	0900	1.30	--	--	758	--	--	--	1	--	--
29...	0901	--	--	--	758	--	--	--	--	--	--
29...	0905	--	5.5	68	758	1	1.0	1.8	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
12...	1605	0	1.6	4.0	.80	7	3.0	4.5	.300	.090
MAY										
09...	1025	0	1.8	5.0	.90	10	3.2	2.2	.400	.100
AUG										
29...	0905	--	--	--	--	16	--	4.0	<.100	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340435 GILLHAM LAKE (OPOSSUM CK. ARM) NEAR DUCKETT, AR--CONTINUED

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
12...	1601	--	--	--	--	--	--	--	.900	<.100
12...	1605	.21	.30	.60	.040	.020	710	20	--	--
MAY										
09...	1021	--	--	--	--	--	--	--	<.100	<.100
09...	1025	.20	.30	.70	.020	.010	350	<20	--	--
AUG										
29...	0901	--	--	--	--	--	--	--	2.00	<.100
29...	0905	--	--	--	.020	.020	--	--	--	--

07340440 GILLHAM LAKE ABOVE COON CREEK NEAR DIERKS, AR
(LAT 34 13 53 LONG 094 13 54)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
12...	1535	9	80513	80513	.00	81.0	--	--	11.0	--	45.6
12...	1536	9	80513	80010	3.00	81.0	--	--	--	--	--
12...	1540	9	80513	80010	16.0	81.0	37	7.1	--	11.0	--
12...	1545	9	80513	80010	65.0	81.0	30	6.5	--	9.0	--
MAY											
09...	0945	9	80513	80513	.00	74.0	--	--	27.0	--	78.0
09...	0946	9	80513	80010	3.00	74.0	--	--	--	--	--
09...	0950	9	80513	80010	15.0	74.0	28	7.0	--	18.0	--
09...	0955	9	80513	80010	59.0	74.0	36	6.7	--	14.5	--
AUG											
29...	0830	9	80513	80513	.00	60.0	--	--	26.0	--	106
29...	0831	9	80513	80010	3.00	60.0	--	--	--	--	--
29...	0835	9	80513	80010	12.0	60.0	32	6.7	--	25.5	--
29...	0840	9	80513	80010	48.0	60.0	70	6.4	--	15.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
12...	1535	1.20	--	--	749	--	--	--	5	--	--
12...	1536	--	--	--	749	--	--	--	--	--	--
12...	1540	--	8.8	81	749	14	8.8	.5	--	9	0
12...	1545	--	9.4	83	749	13	10	2.1	--	10	2
MAY											
09...	0945	2.00	--	--	762	--	--	--	1	--	--
09...	0946	--	--	--	762	--	--	--	--	--	--
09...	0950	--	7.6	80	762	10	5.5	2.0	--	7	0
09...	0955	--	6.9	68	762	23	13	1.8	--	10	2
AUG											
29...	0830	2.70	--	--	760	--	--	--	2	--	--
29...	0831	--	--	--	760	--	--	--	--	--	--
29...	0835	--	6.0	74	760	1	1.5	1.1	--	--	--
29...	0840	--	.5	5	760	100	3.0	1.8	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340440 GILLHAM LAKE ABOVE COON CREEK NEAR DIERKS, AR--CONTINUED

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
12...	1540	0	2.0	5.0	.90	10	4.0	4.3	.200	.120
12...	1545	2	2.7	7.0	.80	8	3.0	4.2	.200	.080
MAY										
09...	0950	0	1.6	4.0	.70	8	3.5	1.7	.100	.090
09...	0955	2	2.8	7.0	.70	8	3.3	1.4	.100	.130
AUG										
29...	0835	--	--	--	--	13	--	2.6	<.100	--
29...	0840	--	--	--	--	22	--	3.1	<.100	--

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
12...	1536	--	--	--	--	--	--	--	3.40	.700
12...	1540	.18	.30	.50	.030	<.010	360	10	--	--
12...	1545	.02	.10	.30	.040	<.010	420	30	--	--
MAY										
09...	0946	--	--	--	--	--	--	--	<.100	<.100
09...	0950	.11	.20	.30	<.010	<.010	150	<10	--	--
09...	0955	.17	.30	.40	.020	.010	310	40	--	--
AUG										
29...	0831	--	--	--	--	--	--	--	<.100	<.100
29...	0835	--	--	--	<.010	<.010	--	--	--	--
29...	0840	--	--	--	.090	.060	--	--	--	--

07340595 LITTLE RIVER NEAR WILTON, AR
(LAT 33 47 00 LONG 094 08 54)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
13...	1045	9	80513	80513	.00	20.0	--	--	5.5	--	20.4
13...	1046	9	80513	80010	3.00	20.0	--	--	--	--	--
13...	1050	9	80513	80010	4.00	20.0	58	7.4	--	10.5	--
13...	1055	9	80513	80010	16.0	20.0	58	7.4	--	10.5	--
MAY											
10...	0830	9	80513	80513	.00	24.0	--	--	17.0	--	21.6
10...	0831	9	80513	80010	3.00	24.0	--	--	--	--	--
10...	0835	9	80513	80010	5.00	24.0	42	7.1	--	17.5	--
10...	0840	9	80513	80010	19.0	24.0	46	7.1	--	17.5	--
AUG											
30...	0930	9	80513	80513	.00	20.0	--	--	26.0	--	45.6
30...	0931	9	80513	80010	3.00	20.0	--	--	--	--	--
30...	0935	9	80513	80010	20.0	4.0	42	7.0	--	25.5	--
30...	0940	9	80513	80010	16.0	20.0	40	6.7	--	25.0	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340595 LITTLE RIVER NEAR WILTON, AR--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
13...	1045	.50	--	--	748	--	--	--	K450	--	--
13...	1050	--	9.7	89	748	45	40	1.9	--	14	0
13...	1055	--	9.7	89	748	45	55	2.4	--	13	0
MAY											
10...	0830	.60	--	--	765	--	--	--	110	--	--
10...	0831	--	--	--	765	--	--	--	--	--	--
10...	0835	--	8.2	85	765	20	16	1.2	--	13	1
10...	0840	--	8.1	84	765	25	--	.6	--	13	0
AUG											
30...	0930	1.20	--	--	765	--	--	--	17	--	--
30...	0931	--	--	--	765	--	--	--	--	--	--
30...	0935	--	6.8	83	765	3	2.0	M4.0	--	--	--
30...	0940	--	4.8	58	765	6	3.7	2.6	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
13...	1050	0	3.5	9.0	1.2	1.4	13	4.0	6.1	.300
13...	1055	0	3.5	10	1.1	1.3	13	4.0	6.1	.300
MAY										
10...	0835	1	3.6	9.0	1.0	.9	12	4.5	2.5	.200
10...	0840	0	3.5	9.0	1.0	.9	12	4.3	2.6	.200
AUG										
30...	0935	--	--	--	--	--	11	3.9	5.2	<.100
30...	0940	--	--	--	--	--	12	3.7	4.2	<.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
DEC										
13...	1050	.130	.27	.40	.70	.050	.020	930	1	<10
13...	1055	.090	.61	.70	1.0	.030	.020	--	1	10
MAY										
10...	0835	.110	.09	.20	.40	.030	.020	[illegible]	1	10
10...	0840	.180	.12	.30	.50	.030	.010	490	<1	10
AUG										
30...	0935	--	--	--	--	<.010	<.010	200	2	10
30...	0940	--	--	--	--	.010	<.010	190	1	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
13...	1046	--	--	--	--	--	--	--	4.40	<.100
13...	1050	10	1500	3	90	<.1	2	10	--	--
13...	1055	7	1800	--	110	<.1	2	20	--	--
MAY										
10...	0831	--	--	--	--	--	--	--	.300	<.100
10...	0835	2	630	<1	30	<.1	13	<10	--	--
10...	0840	2	850	<1	60	<.1	4	[illegible]	--	--
AUG										
30...	0931	--	--	--	--	--	--	--	2.10	<.100
30...	0935	1	870	2	100	<.1	8	<10	--	--
30...	0940	1	840	1	160	<.1	3	<10	--	--

BEST [illegible]

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340800 MILLWOOD LAKE AT YARBOROUGH LANDING NEAR ASHDOWN, AR
(LAT 33 43 29 LONG 094 01 05)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
13...	1200	9	80513	80513	.00	30.0	--	--	6.5	--	12.0
13...	1201	9	80513	80010	3.00	30.0	--	--	--	--	--
13...	1205	9	80513	80010	15.0	30.0	58	7.3	--	10.0	--
MAY											
10...	1300	9	80513	80513	.00	32.0	--	--	28.0	--	19.2
10...	1301	9	80513	80010	3.00	32.0	--	--	--	--	--
10...	1305	9	80513	80010	16.0	32.0	42	6.7	--	18.5	--
AUG											
30...	1600	9	80513	80513	.00	30.0	--	--	38.0	--	40.8
30...	1601	9	80513	80010	3.00	30.0	--	--	--	--	--
30...	1605	9	80513	80010	15.0	30.0	54	6.6	--	25.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
13...	1200	.30	--	--	749	--	--	--	170	--	--
13...	1201	--	--	--	749	--	--	--	--	--	--
13...	1205	--	10.0	90	749	25	21	1.5	--	13	1
MAY											
10...	1300	.50	--	--	765	--	--	--	73	--	--
10...	1301	--	--	--	765	--	--	--	--	--	--
10...	1305	--	6.1	65	765	20	15	1.4	--	13	0
AUG											
30...	1600	1.00	--	--	767	--	--	--	K290	--	--
30...	1601	--	--	--	767	--	--	--	--	--	--
30...	1605	--	3.1	37	767	3	2.0	1.2	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
13...	1205	1	3.3	8.0	1.2	1.2	12	3.0	6.1	.300
MAY										
10...	1305	0	3.6	9.0	1.0	1.0	13	4.5	2.4	.200
AUG										
30...	1605	--	--	--	--	--	15	3.4	5.9	<.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
DEC										
13...	1205	.130	.27	.40	.70	.050	<.010	530	1	<10
MAY										
10...	1305	.110	.19	.30	.50	.040	.020	290	<1	20
AUG										
30...	1605	--	--	--	--	<.010	<.010	100	2	10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340800 MILLWOOD LAKE AT YARBOROUGH LANDING NEAR ASHDOWN, AR--CONTINUED

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
13...	1201	--	--	--	--	--	--	--	8.40	.900
13...	1205	8	1000	5	50	<.1	8	60	--	--
MAY										
10...	1301	--	--	--	--	--	--	--	<.100	<.100
10...	1305	2	620	<1	60	<.1	4	10	--	--
AUG										
30...	1601	--	--	--	--	--	--	--	2.50	<.100
30...	1605	1	760	1	310	<.1	7	<10	--	--

07340960 DIERKS LAKE AT CAMP CREEK NEAR BURG, AR
(LAT 34 11 59 LONG 094 05 22)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
12...	1305	9	80513	80513	.00	9.0	--	--	11.0	--	18.0
12...	1306	9	80513	80010	3.00	9.0	--	--	--	--	--
12...	1310	9	80513	80010	4.00	9.0	43	6.6	--	9.5	--
MAY											
09...	1515	9	80513	80513	.00	16.0	--	--	32.0	--	38.4
09...	1516	9	80513	80010	3.00	16.0	--	--	--	--	--
09...	1520	9	80513	80010	8.00	16.0	38	6.6	--	16.5	--
AUG											
29...	1400	9	80513	80513	.00	12.0	--	--	38.0	--	34.8
29...	1401	9	80513	80010	3.00	12.0	--	--	--	--	--
29...	1405	9	80513	80010	6.00	12.0	40	7.1	--	26.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
12...	1305	.50	--	--	751	--	--	--	120	--	--
12...	1306	--	--	--	751	--	--	--	--	--	--
12...	1310	--	10.3	91	751	45	18	1.0	--	10	0
MAY											
09...	1515	1.00	--	--	759	--	--	--	42	--	--
09...	1516	--	--	--	759	--	--	--	--	--	--
09...	1520	--	8.1	83	759	20	8.4	2.4	--	10	0
AUG											
29...	1400	.90	--	--	758	--	--	--	6	--	--
29...	1401	--	--	--	758	--	--	--	--	--	--
29...	1405	--	8.0	100	758	5	4.0	3.0	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
12...	1310	0	2.0	5.0	1.2	1.3	10	4.0	5.1	.600
MAY										
09...	1520	0	2.1	5.0	1.2	1.0	10	3.4	2.1	.500
AUG										
29...	1405	--	--	--	--	--	13	2.7	2.3	<.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340960 DIERKS LAKE AT CAMP CREEK NEAR BURG, AR--CONTINUED

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
DEC										
12...	1310	.140	.16	.30	.90	.050	.020	810	1	<10
MAY										
09...	1520	.040	.26	.30	.80	.030	.010	250	<1	10
AUG										
29...	1405	--	--	--	--	.030	<.010	140	2	20

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
12...	1306	--	--	--	--	--	--	--	.700	<.100
12...	1310	2	980	4	20	<.1	<1	50	--	--
MAY										
09...	1516	--	--	--	--	--	--	--	<.100	<.100
09...	1520	1	470	<1	40	.7	5	<10	--	--
AUG										
29...	1401	--	--	--	--	--	--	--	3.00	<.100
29...	1405	2	390	1	60	<.1	1	<10	--	--

07340980 DIERKS LAKE AT HOSE CREEK NEAR LEBANON, AR
(LAT 34 10 08 LONG 094 05 45)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
12...	1240	9	80513	80513	.00	53.0	--	--	11.0	--	42.0
12...	1241	9	80513	80010	3.00	53.0	--	--	--	--	--
12...	1245	9	80513	80010	11.0	53.0	42	6.5	--	9.5	--
12...	1250	9	80513	80010	42.0	53.0	43	6.4	--	9.0	--
MAY											
09...	1500	9	80513	80513	.00	64.0	--	--	31.0	--	38.4
09...	1501	9	80513	80010	3.00	64.0	--	--	--	--	--
09...	1505	9	80513	80010	13.0	64.0	36	6.7	--	14.0	--
09...	1510	9	80513	80010	51.0	64.0	36	6.4	--	14.0	--
AUG											
29...	1330	9	80513	80513	.00	58.0	--	--	36.0	--	69.6
29...	1331	9	80513	80010	3.00	58.0	--	--	--	--	--
29...	1335	9	80513	80010	12.0	58.0	36	6.8	--	24.5	--
29...	1340	9	80513	80010	46.0	58.0	92	6.3	--	13.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
12...	1240	1.10	--	--	752	--	--	--	11	--	--
12...	1241	--	--	--	752	--	--	--	--	--	--
12...	1245	--	8.6	76	752	14	5.1	1.5	--	10	0
12...	1250	--	7.4	65	752	28	14	1.1	--	10	0
MAY											
09...	1500	1.00	--	--	759	--	--	--	3	--	--
09...	1501	--	--	--	759	--	--	--	--	--	--
09...	1505	--	3.0	29	759	25	6.4	2.1	--	9	0
09...	1510	--	6.5	63	759	50	18	2.2	--	10	0
AUG											
29...	1330	1.80	--	--	758	--	--	--	1	--	--
29...	1331	--	--	--	758	--	--	--	--	--	--
29...	1335	--	6.8	82	758	2	1.6	1.6	--	--	--
29...	1340	--	.5	5	758	95	5.0	1.3	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340980 DIERKS LAKE AT HOSE CREEK NEAR LEBANON, AR--CONTINUED

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
12...	1245	0	2.1	5.0	1.1	11	3.0	3.2	.400	.180
12...	1250	0	2.0	5.0	1.1	10	3.0	4.3	.200	.130
MAY										
09...	1505	0	2.1	5.0	1.0	10	.9	2.1	.300	.080
09...	1510	0	2.2	6.0	1.2	11	3.8	1.7	.300	.240
AUG										
29...	1335	--	--	--	--	13	--	3.5	<.100	--
29...	1340	--	--	--	--	46	--	3.5	<.100	--

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
12...	1241	--	--	--	--	--	--	--	8.30	2.40
12...	1245	.32	.50	.90	.030	.020	410	30	--	--
12...	1250	.27	.40	.60	.040	.020	780	50	--	--
MAY										
09...	1501	--	--	--	--	--	--	--	<.100	<.100
09...	1505	.22	.30	.60	.020	<.010	270	<10	--	--
09...	1510	.26	.50	.80	.060	.040	1300	310	--	--
AUG										
29...	1331	--	--	--	--	--	--	--	2.80	<.100
29...	1335	--	--	--	.020	<.010	--	--	--	--
29...	1340	--	--	--	.260	.230	--	--	--	--

07341250 MILLWOOD LAKE AT HIGHWAY 332 BRIDGE NEAR SCHAAL, AR
(LAT 33 49 08 LONG 093 59 06)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
13...	1515	9	80513	80513	.00	10.0	--	--	6.0	--	9.6
13...	1516	9	80513	80010	3.00	10.0	--	--	--	--	--
13...	1520	9	80513	80010	5.00	10.0	54	7.5	--	9.5	--
MAY											
10...	1840	9	80513	80513	.00	13.0	--	--	24.0	--	16.8
10...	1841	9	80513	80010	3.00	13.0	--	--	--	--	--
10...	1845	9	80513	80010	6.50	13.0	44	7.0	--	16.5	--
AUG											
30...	1800	9	80513	80513	.00	10.0	--	--	36.0	--	21.6
30...	1801	9	80513	80010	3.00	10.0	--	--	--	--	--
30...	1805	9	80513	80010	10.0	5.0	70	6.8	--	24.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
13...	1515	.20	--	--	748	--	--	--	90	--	--
13...	1516	--	--	--	748	--	--	--	--	--	--
13...	1520	--	10.0	89	748	50	26	1.4	--	12	0
MAY											
10...	1840	.40	--	--	759	--	--	--	110	--	--
10...	1841	--	--	--	759	--	--	--	--	--	--
10...	1845	--	6.9	71	759	30	17	1.4	--	14	2
AUG											
30...	1800	.60	--	--	764	--	--	--	89	--	--
30...	1801	--	--	--	764	--	--	--	--	--	--
30...	1805	--	3.8	45	764	22	9.5	1.9	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07341250 MILLWOOD LAKE AT HIGHWAY 332 BRIDGE NEAR SCHAAL, AR--CONTINUED

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC 13...	1520	0	2.9	7.0	1.1	1.5	11	4.0	5.3	.400
MAY 10...	1845	2	3.8	10	1.1	1.1	12	5.1	2.4	.300
AUG 30...	1805	--	--	--	--	--	22	5.8	5.1	.100

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
DEC 13...	1520	.140	.26	.40	.80	.040	.010	770	1	<10
MAY 10...	1845	.060	.34	.40	.70	.040	<.010	360	<1	10
AUG 30...	1805	--	--	--	--	.030	.020	390	2	<10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC 13...	1516	--	--	--	--	--	--	--	.800	<.100
13...	1520	9	1200	4	80	<.1	1	20	--	--
MAY 10...	1841	--	--	--	--	--	--	--	.700	<.100
10...	1845	2	1000	<1	30	<.1	3	20	--	--
AUG 30...	1801	--	--	--	--	--	--	--	2.10	<.100
30...	1805	1	2300	1	260	.2	7	<10	--	--

07341280 MILLWOOD LAKE ON MINE CREEK NEAR OKAY, AR
(LAT 33 47 16 LONG 093 56 11)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC 13...	1425	9	80513	80513	.00	10.0	--	--	6.0	--	14.4
13...	1426	9	80513	80010	3.00	10.0	--	--	--	--	--
13...	1430	9	80513	80010	5.00	10.0	106	7.5	--	8.0	--
MAY 10...	1545	9	80513	80513	.00	12.0	--	--	30.0	--	21.6
10...	1546	9	80513	80010	3.00	12.0	--	--	--	--	--
10...	1550	9	80513	80010	6.00	12.0	40	6.8	--	22.5	--
AUG 30...	1700	9	80513	80010	.00	10.0	--	--	38.0	--	21.6
30...	1701	9	80513	80010	3.00	10.0	--	--	--	--	--
30...	1705	9	80513	80010	5.00	10.0	104	7.0	--	25.5	--

BEST COPY AVAILABLE

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07341280 MILLWOOD LAKE ON MINE CREEK NEAR OKAY, AR--CONTINUED

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
DEC											
13...	1425	.40	--	--	748	--	--	--	130	--	--
13...	1426	--	--	--	748	--	--	--	--	--	--
13...	1430	--	8.8	76	748	25	21	1.9	--	24	10
MAY											
10...	1545	.60	--	--	765	--	--	--	8	--	--
10...	1546	--	--	--	765	--	--	--	--	--	--
10...	1550	--	5.7	66	765	30	7.4	3.2	--	25	4
AUG											
30...	1700	.60	--	--	767	--	--	--	1	--	--
30...	1701	--	--	--	767	--	--	--	--	--	--
30...	1705	--	4.4	53	767	10	4.0	4.2	--	--	--

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
13...	1430	10	7.5	19	1.3	2.9	14	16	9.1	1.00
MAY										
10...	1550	4	7.9	20	1.2	2.0	21	9.8	4.5	.500
AUG										
30...	1705	--	--	--	--	--	30	9.2	7.7	<.100

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
DEC										
13...	1430	.240	.56	.80	1.8	.090	.070	510	1	<10
MAY										
10...	1550	.120	.48	.60	1.1	.120	.070	180	1	10
AUG										
30...	1705	--	--	--	--	.120	.060	150	2	10

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
13...	1426	--	--	--	--	--	--	--	.600	.300
13...	1430	5	1400	5	70	<.1	2	30	--	--
MAY										
10...	1546	--	--	--	--	--	--	--	11.0	<.100
10...	1550	2	900	1	130	<.1	5	40	--	--
AUG										
30...	1701	--	--	--	--	--	--	--	12.0	5.00
30...	1705	1	1500	1	160	<.1	1	20	--	--

BEST COPY AVAILABLE

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07341295 MILLWOOD LAKE NEAR SARATOGA, AR
(LAT 33 44 20 LONG 093 57 09)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
13...	1330	9	80513	80513	.00	25.0	--	--	6.0	--	22.8
13...	1331	9	80513	80010	3.00	25.0	--	--	--	--	--
13...	1335	9	80513	80010	5.00	25.0	70	7.4	--	9.0	--
13...	1340	9	80513	80010	20.0	25.0	70	7.4	--	9.0	--
MAY											
10...	1415	9	80513	80513	.00	36.0	--	--	30.0	--	19.2
10...	1416	9	80513	80010	3.00	36.0	--	--	--	--	--
10...	1420	9	80513	80010	7.00	36.0	42	6.8	--	21.0	--
10...	1425	9	80513	80010	29.0	36.0	42	6.8	--	21.0	--
AUG											
30...	1400	9	80513	80513	.00	32.0	--	--	36.0	--	26.4
30...	1401	9	80513	80010	3.00	32.0	--	--	--	--	--
30...	1405	9	80513	80010	32.0	6.5	72	7.3	--	25.0	--
30...	1410	9	80513	80010	32.0	25.5	72	7.1	--	24.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC											
13...	1330	.60	--	--	748	--	--	--	2	--	--
13...	1331	--	--	--	748	--	--	--	--	--	--
13...	1335	--	10.2	90	748	3	7.6	.9	--	14	0
13...	1340	--	10.1	89	748	8	7.5	1.1	--	14	0
MAY											
10...	1415	.50	--	--	765	--	--	--	3	--	--
10...	1416	--	--	--	765	--	--	--	--	--	--
10...	1420	--	5.7	64	765	80	21	1.8	--	15	0
10...	1425	--	5.7	64	765	70	--	1.7	--	16	2
AUG											
30...	1400	.70	--	--	767	--	--	--	6	--	--
30...	1401	--	--	--	767	--	--	--	--	--	--
30...	1405	--	6.1	73	767	4	2.0	1.9	--	--	--
30...	1410	--	5.2	62	767	5	2.9	2.0	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
13...	1335	0	3.8	10	1.2	1.3	16	4.0	9.1	.100
13...	1340	0	3.8	10	1.2	1.3	16	4.0	9.1	.200
MAY										
10...	1420	0	4.5	11	.90	1.4	14	5.5	2.3	.200
10...	1425	2	4.8	12	.90	1.4	14	5.4	2.4	.100
AUG										
30...	1405	--	--	--	--	--	23	3.8	6.4	<.100
30...	1410	--	--	--	--	--	23	3.7	6.4	<.100

BEST COPY AVAILABLE

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07341295 MILLWOOD LAKE NEAR SARATOGA, AR--CONTINUED

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTH, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
DEC										
13...	1335	.080	.22	.30	.40	.030	<.010	230	1	10
13...	1340	.100	.20	.30	.50	.040	<.010	220	1	<10
MAY										
10...	1420	.090	.31	.40	.60	.060	.030	430	<1	10
10...	1425	.060	.44	.50	.60	.050	.010	430	<1	10
AUG										
30...	1405	--	--	--	--	.030	.020	130	2	10
30...	1410	--	--	--	--	.030	.010	140	2	10

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
13...	1331	--	--	--	--	--	--	--	3.10	.800
13...	1335	16	520	6	20	<.1	1	10	--	--
13...	1340	12	590	6	20	<.1	1	20	--	--
MAY										
10...	1416	--	--	--	--	--	--	--	3.00	<.100
10...	1420	2	760	<1	80	<.1	3	20	--	--
10...	1425	1	790	<1	20	<.1	2	20	--	--
AUG										
30...	1401	--	--	--	--	--	--	--	5.50	<.100
30...	1405	1	650	1	210	<.1	6	<10	--	--
30...	1410	1	640	1	220	<.1	4	<10	--	--

07355850 BOARD CAMP CREEK NEAR SHADY, AR
(LAT 34 28 34 LONG 094 05 03)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JUL											
12...	1215	9	80513	80010	2.5	37	6.9	23.5	7.2	763	2.3

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUL										
12...	1215	1.2	1.8	.70	11	2.2	<.10	8.8	38	<.10

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
JUL										
12...	1215	110	<1	1	<100	<10	60	<20	1	10

BEST COPY AVAILABLE

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07355850 BOARD CAMP CREEK NEAR SHADY, AR--CONTINUED

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
JUL 12...	1215	1	1	250	62	2	<10	10	<.1	<1

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL 12...	1215	<1	<1	1	50	30	.0	1.2	10	46

07355980 SHIRLEY CREEK NEAR ODEN, AR
(LAT 34 36 10 LONG 093 49 49)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JUL 12...	1430	9	80513	80010	2.9	97	7.3	23.0	7.8	763	12

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
JUL 12...	1430	1.7	1.3	.60	36	11	2.3	<.10	7.6	62	58

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
JUL 12...	1430	<.10	20	<1	1	100	<10	<20	<20	1	<20

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
JUL 12...	1430	1	7	170	48	2	<10	20	.3	24

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL 12...	1430	<1	2	<1	50	30	.0	1.7	6	61

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07356285 NORTH FORK CREEK NEAR MOUNT TABOR, AR
(LAT 34 41 20 LONG 093 20 28)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JUL 11...	1115	9	80513	80010	.72	40	7.5	28.5	7.2	762	1.9

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
JUL 11...	1115	1.6	2.0	.70	12	2.7	2.2	<.10	4.6	54	23

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
JUL 11...	1115	<.10	50	<1	1	<100	<10	<20	<20	1	30

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
JUL 11...	1115	2	2	320	140	6	<10	<10	<.1	<1

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL 11...	1115	4	<1	<1	40	20	.0	2.3	8	47

07356853 WALNUT CREEK NORTHWEST OF CRYSTAL SPRINGS, AR
(LAT 34 32 02 LONG 093 22 15)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAY 02...	1900	9	80513	80010	132	74	7.3	17.0	16.0	8.4	752
JUL 11...	1345	9	80513	80010	3.2	220	7.7	--	25.0	8.4	762

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07356853 WALNUT CREEK NORTHWEST OF CRYSTAL SPRINGS, AR--CONTINUED

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
MAY											
02...	1900	10	1.9	.90	.80	29	6.1	1.7	.10	5.4	74
JUL											
11...	1345	31	4.4	1.8	1.2	96	10	2.6	.20	11	122

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)
MAY											
02...	1900	44	<.10	1100	<1	1	100	<10	<20	<20	1
JUL											
11...	1345	120	<.10	20	<1	1	100	<10	50	<20	1

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)
MAY											
02...	1900	<10	4	5	2000	1900	99	6	<10	230	<.1
JUL											
11...	1345	<10	1	1	120	--	35	1	<10	20	<.1

DATE	TIME	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY											
02...	1900	<1	7	<1	<1	50	<10	<.4	--	105	13
JUL											
11...	1345	<1	<1	<1	<1	120	10	.0	1.6	10	54

07357790 MAZARN CREEK AT MAZARN, AR
(LAT 34 25 47 LONG 093 25 51)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAY											
02...	1645	9	80513	80010	218	50	7.2	18.0	15.5	9.0	752
JUL											
11...	1515	9	80513	80010	5.5	124	7.8	--	28.5	7.6	763

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
MAY											
02...	1645	5.6	1.4	1.3	.60	17	5.3	1.7	<.10	6.7	56
JUL											
11...	1515	16	2.5	1.5	.90	50	11	3.3	.20	8.9	76

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07357790 MAZARN CREEK AT MAZARN, AR--CONTINUED

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)
MAY 02...	1645	33	<.10	200	<1	1	100	<10	<20	<20	1
JUL 11...	1515	74	<.10	40	<1	1	100	<10	<20	<20	1

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)
MAY 02...	1645	20	2	2	380	270	110	4	<10	30	<.1
JUL 11...	1515	20	1	<1	190	--	69	1	<10	20	<.1

DATE	TIME	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY 02...	1645	<1	2	<1	<1	40	<10	<.4	--	15	34
JUL 11...	1515	<1	<1	<1	<1	70	10	.0	1.7	7	57

07360187 LITTLE MISSOURI RIVER AT ALBERT, AR
(LAT 34 22 33 LONG 093 52 39)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
APR 02...	1700	9	80513	80010	80	--	6.2	11.0	10.4	733	1.3
JUL 11...	1850	9	80513	80010	7.7	45	7.2	29.0	7.9	763	4.2

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
APR 02...	1700	.67	1.5	.40	7.0	4.6	1.5	<.10	7.4	32	22
JUL 11...	1850	1.2	2.2	.90	15	10	2.8	<.10	8.2	38	39

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
APR 02...	1700	<.10	--	<1	--	--	--	<20	<20	--	--
JUL 11...	1850	<.10	80	<1	1	100	<10	<20	<20	1	<10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07360187 LITTLE MISSOURI RIVER AT ALBERT, AR--CONTINUED

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABL (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
APR 02...	1700	--	--	--	33	--	--	--	--	--
JUL 11...	1850	1	2	230	89	3	<10	20	<.1	<1

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR 02...	1700	--	--	--	20	--	--	.70	7	13
JUL 11...	1850	<1	<1	<1	40	20	.0	1.2	11	58

07362587 ALUM FORK SALINE RIVER NEAR REFORM, AR
(LAT 34 47 50 LONG 092 56 00)

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JUL 11...	0930	9	80513	80020	.05	38	7.2	28.0	6.0	762	2.2

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
JUL 11...	0930	1.6	2.1	.60	14	1.2	2.0	<.10	3.9	20	23

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
JUL 11...	0930	<.10	160	<1	1	<100	<10	<20	<20	<1	30

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
JUL 11...	0930	1	3	1200	640	5	<10	110	.1	<1

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07362587 ALUM FORK SALINE RIVER NEAR REFORM, AR--CONTINUED

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)	SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL 11...	0930	3	<1	<1	50	20	.0	2.3	11	62

WATER RESOURCES DATA FOR ARKANSAS, 1984

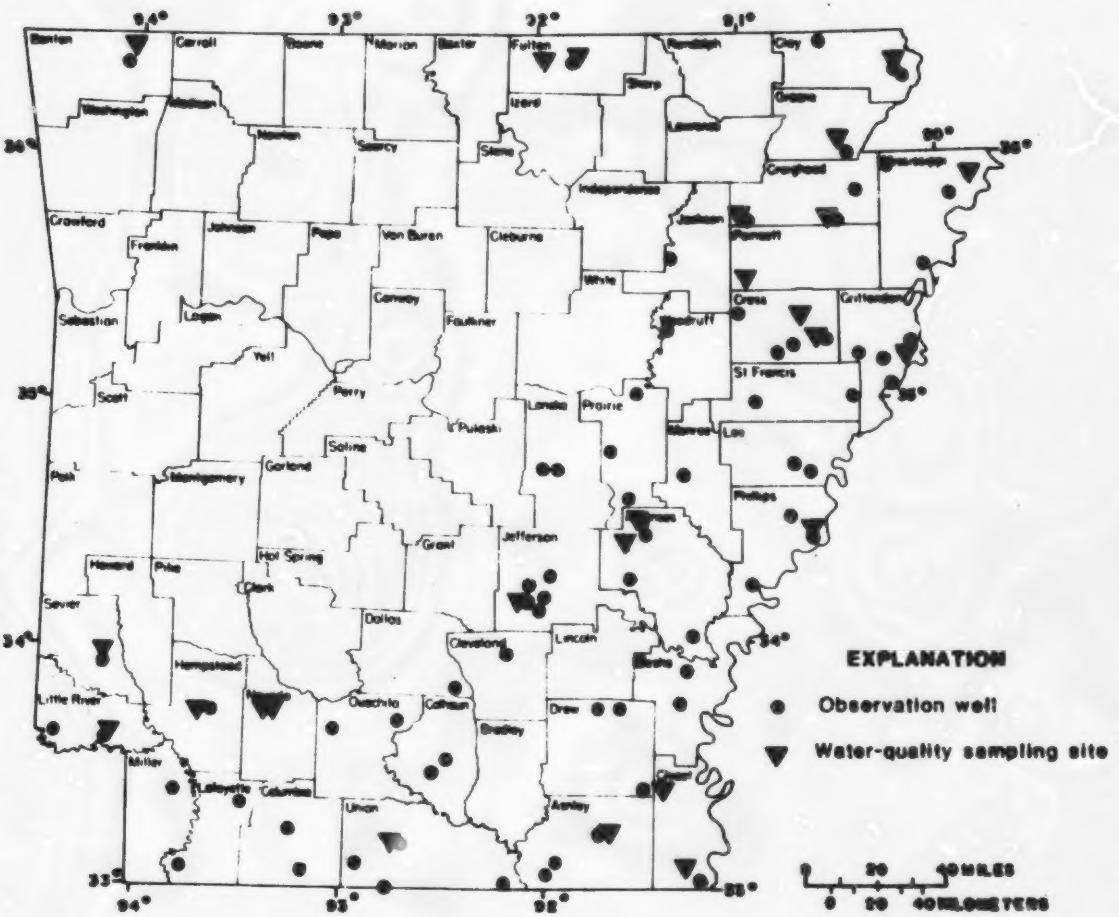

94°
93°
92°
91°
90°
36°
35°
34°
33°
Benton
Carroll
Boone
Marion
Baxter
Fulton
Randolph
Clay
Sharp
Izard
Washington
Madison
Newton
Searcy
Stone
Lawrence
Greene
Craighead
Mississippi
Independence
Jackson
Poinsett
Crawford
Franklin
Johnson
Pope
Van Buren
Cleburne
White
Cross
Crittenden
Sebastian
Logan
Conway
Faulkner
Woodruff
Yell
Perry
St Francis
Scott
Pulaski
Lonoke
Prairie
Monroe
Lee
Polk
Montgomery
Garland
Saline
Phillips
Arkansas
Jefferson
Grant
Hot Spring
Howard
Pike
Clark
Sevier
Dallas
Cleveland
Lincoln
Desha
Hempstead
Nevada
Ouachita
Calhoun
Drew
Little River
Bradley
Miller
Lafayette
Columbia
Union
Ashley
Chicot
EXPLANATION
● Observation well
▼ Water-quality sampling site
0 20 40 MILES
0 20 40 KILOMETERS

Figure 5.--Locations of observation wells in Arkansas.

ARKANSAS COUNTY

340529091154801. Local number, 07S02W17BBA1.
LOCATION.--Lat 34°05'29", long 91°15'48", Hydrologic Unit 08020401, near Tichnor.
Owner: Sam Whiting.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 5-2 in, depth 95 ft, cased 0-92 ft, screened 92-95 ft.
DATUM.--Land surface, 183.38 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land surface.
PERIOD OF RECORD.--December 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.09 ft below land surface, Apr. 20, 1962; lowest, 74.09 ft below land surface, July 24, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1984, 47.28 ft below land surface.

341537091314001. Local number, 05S05W15ADD1.
LOCATION.--Lat 34°15'37", long 91°31'40", Hydrologic Unit 08020402, near Bayou Meto.
Owner: J. W. Freeman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 18-8 in, depth 110 ft, screened 65-105 ft.
DATUM.--Land surface, 193 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 2.00 ft above land surface.
PERIOD OF RECORD.--November 1954, April 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.49 ft below land surface, Mar. 26, 1980; lowest, 56.09 ft below land surface, Sept. 16, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1984, 50.90 ft below land surface.

342842091303401. Local number, 03S05W02AAB1.
LOCATION.--Lat 34°28'42", long 91°30'34", Hydrologic Unit 08020402, near Stuttgart.
Owner: Clarence Weaver.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 801 ft, screened 698-798 ft.
DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.50 ft above land surface.
REMARKS.--Water-quality records for 1950 available in files of district office.
PERIOD OF RECORD.--March 1951 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.22 ft below land surface, Mar. 29, 1951; lowest, 157.98 ft below land surface, Sept. 12, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1984, 147.46 ft below land surface.

342847091345702. Local number, 03S05W06ABA2.
LOCATION.--Lat 34°28'47", long 91°34'57", Hydrologic Unit 08020402, near Stuttgart.
Owner: Russell Roth.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 20 in, depth 123 ft, screened 108-123 ft.
DATUM.--Land surface, 198 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for July 1975, August 1979, and June 1983 are available in files of district office.

342924091315301. Local number, 02S05W34BDA1.
LOCATION.--Lat 34°29'24", long 91°31'53", Hydrologic Unit 08020402, near Stuttgart.
Owner: Alfred Heien.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 28 in, depth 760 ft.
DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.
REMARKS.--Water-level fluctuations caused largely by nearby irrigation pumpage.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 89.52 ft below land surface, Apr. 27, 1961; lowest, 277.19 ft below land surface, Aug. 28, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	215.16	186.73	174.38			---	153.76	151.36	164.80	194.92	210.81	210.80
10	209.79	184.04	172.95			---	153.13	151.05	168.67	206.08	210.80	210.80
15	203.21	181.83	171.45			---	152.71	152.08	176.74	215.65	210.80	210.82
20	197.80	179.51	---			---	152.32	154.82	189.66	211.82	210.80	210.80
25	193.70	178.02	---			155.03	152.04	154.03	196.17	210.80	211.52	210.06
EOM	189.53	176.23	---			154.51	151.98	152.78	203.60	210.81	210.80	201.20

WTR YR 1984 MAX 150.89 MAY 7, 1984 MIN 217.24 JULY 17, 1984

342925091314701. Local number 02S05W34ABC1.
LOCATION.--Lat 34°29'25", long 91°31'47", Hydrologic Unit 08020402, near Stuttgart.
Owner: Alfred Heien.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHRACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 758 ft, cased 0-668 ft, screened 668-758 ft.
DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1969, July 1975, August 1979, and June 1983 are available in files of district office.

ASHLEY COUNTY

330624091552801. Local number, 18S08W28DDD2.
LOCATION.--Lat 33°06'24", long 91°55'28", Hydrologic Unit 08040205, near Crossett.
Owner: Georgia-Pacific Paper Co.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 155 ft, screened 142-152 ft.
DATUM.--Land surface, 163.26 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.27 ft above land surface.
PERIOD OF RECORD.--June 1960 to August 1963, April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 86.60 ft below land surface, Mar. 28, 1984; lowest, 93.28 ft below land surface, Aug. 22, 1963.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	87.80	87.75	87.65	87.39	87.48	87.35	87.43	87.21	87.57	87.63	87.71	87.78
10	87.72	87.71	87.61	87.69	87.45	87.73	87.25	87.52	87.69	87.72	87.67	87.50
15	87.80	87.86	87.88	87.88	87.41	87.56	87.34	87.66	87.65	87.75	87.72	87.75
20	87.70	87.70	87.75	88.12	87.59	87.25	87.17	87.27	87.65	87.73	87.58	87.47
25	87.97	87.93	88.17	87.59	87.43	87.30	87.30	87.47	87.69	87.74	87.78	87.69
EOM	87.73	87.93	88.01	87.72	87.75	87.60	87.62	87.72	87.60	87.61	87.71	87.71

WTR YR 1984 MAX 86.60 MAR. 28, 1984 MIN 88.38 DEC. 24, 1983

331015091522401. Local number, 18S08W01AAB1.
LOCATION.--Lat 33°10'15", long 91°52'24", Hydrologic Unit 08040205, near Crossett.
Owner: Earl Daugherty and Sons.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 16 in, depth 128 ft, cased 0-108 ft.
DATUM.--Land surface, 181 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in pipe, 0.75 ft above land surface.
PERIOD OF RECORD.--May 1984.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.63 ft below land surface, May 15, 1984; lowest, 78.63 ft below land surface, May 15, 1984.
MEASUREMENT FOR CURRENT YEAR.--May 15, 1984, 78.63 ft below land surface.

331730091423301. Local number, 16S06W27BAA1.
LOCATIONS.--Lat 33°17'30", long 91°42'33", Hydrologic Unit 08040205, near Mist.
Owner: Lloyd Engelkes.
AQUIFER.--Sand and gravel in terrace deposits of Pleistocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-8 in, depth 138 ft.
DATUM.--Land surface, 184 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1972, August 1979, and June 1983 are available in files of district office.

331729091424001. Local number, 16S06W27BAB1.
LOCATION.--Lat 33°17'29", long 91°42'40", Hydrologic Unit 08040205, near Mist.
Owner: E. T. Muller.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 115 ft.
DATUM.--Land surface, 182 ft National Geodetic Vertical Datum of 1929. Measuring point: Cutout in east side of casing, 1.20 ft above land surface.
PERIOD OF RECORD.--April 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.45 ft below land surface, Mar. 6, 1972; lowest, 81.82 ft below land surface, Mar. 24, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1984, 81.82 ft below land surface.

BENTON COUNTY

361956094061401. Local number, 19N29W07DAB1.
LOCATION.--36°19'56", long 94°06'14", Hydrologic Unit 11010001, at Rogers.
Owner: City of Rogers.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 8 in, depth 1,659 ft, cased 0-300 ft, open hole 300-1,659 ft.
DATUM.--Land surface, 1,220 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump, 2.50 ft above land surface.
REMARKS.--This well replaced well number 21N29W35DDB1 for water-level measurements.
PERIOD OF RECORD.--May 1966 to December 1975, May 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.72 ft below land surface, Dec. 2, 1975; lowest, 279.68 ft below land surface, June 9, 1967.
MEASUREMENT FOR CURRENT YEAR.--Apr. 5, 1984, 133.61 ft below land surface.

362636094012601. Local number, 21N29W35DDB1.
LOCATION.--Lat 36°26'36", long 94°01'26", Hydrologic Unit 11070208, at Pea Ridge National Park.
Owner: National Park Service.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled recreation artesian well, diameter 10 in, depth 1,769 ft, cased 0-416 ft, open hole 416-1,769 ft.
DATUM.--Land surface, 1,406 ft above mean sea level. Measuring point: Airhole in top of casing, 1.50 ft above land surface.
REMARKS.--Water-quality records for January 1965, June 1972, August 1977, and June 1982 are available in files of district office. Water-levels discontinued, May 1978.
PERIOD OF RECORD.--October 1965 to May 1978.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 294.00 ft below land surface, Oct. 12, 1965; lowest 320.22 ft below land surface, June 8, 1967.

CALHOUN COUNTY

333226092274101. Local number, 13S13W32CDA1.
LOCATION.--Lat 33°32'26", long 92°27'41", Hydrologic Unit 08040201, at Sturgis Street and State Highway No. 274 at Hampton.
Owner: City of Hampton.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-6 in, depth 450 ft.
DATUM.--Land surface, 208 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump, 2.50 ft above land surface.
PERIOD OF RECORD.--July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.49 ft below land surface, July 6, 1964; lowest, 164.78 ft below land surface, Oct. 22, 1979.
MEASUREMENT FOR CURRENT YEAR.--Apr. 2, 1984, 156.99 ft below land surface.

322932092325001. Local number, 14S14W21ACB1.
LOCATION.--Lat 32°29'32", long 92°32'50", Hydrologic Unit 08040201, near Hampton.
Owner: H. D. Avent.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 160 ft, cased 0-120 ft, screened 150-160 ft.
DATUM.--Land surface, 132 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land surface.
PERIOD OF RECORD.--April 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.16 ft below land surface, June 5, 1979; lowest, 36.04 ft below land surface, Nov. 16-18, 1984.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.78	35.99	35.45	34.82	34.59	34.16	33.89	33.82	34.16	34.78	35.27	35.38
10	35.84	35.97	35.39	34.74	34.55	34.17	33.86	33.92	34.23	34.89	35.27	35.39
15	35.89	36.00	35.18	34.75	34.41	34.09	33.86	33.99	34.36	34.96	35.20	35.46
20	35.85	35.82	35.13	34.74	34.39	33.92	33.87	34.01	34.46	35.03	35.20	35.52
25	35.89	35.79	35.03	34.64	34.35	33.96	33.90	34.04	34.61	35.15	35.23	35.56
EOM	35.96	35.74	34.91	34.63	34.25	33.93	33.96	34.10	34.67	35.24	35.32	35.64

WTR YR 1984 MAX 33.81 MAR. 3-4, 1984 MIN 36.04 NOV. 17-18, 1984

CHICOT COUNTY

330215091120501. Local number, 19S01W21AAA1.
LOCATION.--Lat 33°02'15", long 91°12'05", Hydrologic Unit 08050002, near Readland.
Owner: C. M. Rankin.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in, depth 102 ft.
DATUM.--Land surface, 110 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 1.50 ft above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--March 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.65 ft below land surface, Mar. 29, 1973; lowest, 32.96 ft below land surface, Oct. 2, 1969.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 8.70 ft below land surface.

330640091154103. Local number, 18S02W25ABB3.
LOCATION.--Lat 33°06'40", long 91°15'41", Hydrologic Unit 08050002, at Gordon Street and Highway No. 8, at Eudora (city well No. 3).
Owner: City of Eudora.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-6 in, depth 330 ft.
DATUM.--Land surface, 135 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 2.50 ft above land surface.
REMARKS.--Water-quality records for June 1970, June 1975, May 1979, and June 1983 are available in files of district office.
PERIOD OF RECORD.--January 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft below land surface, Mar. 20, 1975; lowest, 45.47 ft below land surface, Jan. 17, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 40.95 ft below land surface.

332613091255101. Local number, 14S03W32DCB1.
LOCATION.--Lat 33°26'13", long 91°25'51", Hydrologic Unit 08050001, near Jerome.
Owner: James Roy Baugh.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16-10 in, depth 90 ft, cased 0-50 ft, screened 50-90 ft.
DATUM.--Land surface, 131 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-Quality record for July 1952 and June 1982 are available in files of district office.
PERIOD OF RECORD.--July 1952, March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.08 ft below land surface, Mar. 29, 1984; lowest, 24.58 ft below land surface, Mar. 23, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1984, 24.08 ft below land surface.

CLAY COUNTY

362311090111002. Local number, 20N08E11BAC2.
LOCATION.--Lat 36°23'11", long 90°11'10", Hydrologic Unit 08020203, at municipal light plant, Piggott (well No. 2).
Owner: City of Piggott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, depth 1,000 ft.
DATUM.--Land surface, 290 ft National Geodetic Vertical Datum of 1929. Measuring point: 1-in hole in bottom of discharge pipe, 4.00 ft above land surface.
REMARKS.--Well in vicinity of continuously pumping wells.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.05 ft below land surface, Mar. 25, 1969; lowest, 18.49 ft below land surface, Apr. 13, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 17.90 ft below land surface.

362311090111301. Local number, 20N08E11BAC3.
LOCATION.--Lat 36°23'11", long 90°11'13", Hydrologic Unit 08020203, near municipal light plant, Piggott (well No. 3).
Owner: City of Piggott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-8 in, depth 976 ft. Cased 0-900 ft, screened 900-976 ft.
DATUM.--Land surface, 275 ft (84 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1956, June 1970, and April 1975, and June 1982 are available in files of district office.

362502090095801. Local number, 21N08E36ABB1.
LOCATION.--Lat 36°25'02", long 90°09'58", Hydrologic Unit 08020203, near Piggott.
Owner: A. L. Freytag.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 90 ft. cased 0-70 ft, screened 70-90 ft.
DATUM.--Land surface, 283 ft National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in plug in north side of pump, 1.00 ft above land surface.
REMARKS.--Well commonly flows in the early spring.
PERIOD OF RECORD.--June 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, +0.80 ft above land surface, Apr. 11, 1973; lowest, 9.48 ft below land surface, Jan. 15, 1957.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, +0.35 ft above land surface.

362759090332401. Local number, 21N05E17ABB1.
LOCATION.--Lat 36°27'59", long 90°33'24", Hydrologic Unit 11010007, near Corning.
Owner: D and E Farms.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 105 ft.
DATUM.--Land surface, 300 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.
PERIOD OF RECORD.--June 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.91 ft below land surface, Apr. 4, 1973; lowest, 20.88 ft below land surface, Mar. 11, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 16.71 ft below land surface.

CLEVELAND COUNTY

335729092112002. Local number, 09S11W01DDA2.
LOCATION.--Lat 33°57'29", long 92°11'20", Hydrologic Unit 08040204, at Rison.
Owner: Town of Rison.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-6 in, depth 550 ft, cased 0-500 ft, screened 500-550 ft.
DATUM.--Land surface, 266 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 2.00 ft above land surface.
PERIOD OF RECORD.--November 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.20 ft below land surface, May 13, 1966; lowest, 200.03 ft below land surface, Nov. 28, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 26, 1984, 196.30 ft below land surface.

330557093114601. cal number, 19S20W08DAD1.
LOCATION.--Lat 33 '57", long 93°11'46", Hydrologic Unit 11140203, at Emerson.
Owner: Town of Emerson.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8-4 in, depth 451 ft, cased 0-431 ft, screened 431-451 ft.
DATUM.--Land surface, 320 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in cap, 1.00 ft above land surface.
PERIOD OF RECORD.--October 1950, March 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 200.02 ft below land surface, Oct. 12, 1950; lowest, 260.19 ft below land surface, Apr. 12, 1977.
MEASUREMENT FOR CURRENT YEAR.--Apr. 11, 1984, 251.88 ft below land surface.

331609093144902. Local number, 17S21W11DCC2.
LOCATION.--Lat 33°16'09", long 93°14'49", Hydrologic Unit 11140203, at Magnolia (city well No. 2).
Owner: City of Magnolia.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 8 in, depth 428 ft, cased 0-365 ft, screened 365-425 ft.
DATUM.--Land surface, 303 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft above land surface.
REMARKS.--Well in vicinity of continuously pumping wells.
PERIOD OF RECORD.--April 1953 to current year.
EXTRMES FOR PERIOD OF RECORD.--Highest water level measured, 238.11 ft below land surface, Apr. 29, 1953; lowest, 354.39 ft below land surface, Sept. 1, 1965.
MEASUREMENT FOR CURRENT YEAR.--Apr. 10, 1984, 324.90 ft below land surface.

CRAIGHEAD COUNTY

354246090503801. Local number, 13N02E35DAA1.
LOCATION.--Lat 35°42'46", long 90°50'38", Hydrologic Unit 08020302, near Otwell.
Owner: A. B. Clark.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused irrigation water-table well, diameter 12 in, depth 120 ft, screened 100-120 ft.
DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
REMARKS.--Well in vicinity of heavy seasonal irrigation pumping.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.20 ft below land surface, June 19, 1957; lowest, 78.69 ft below land surface, Aug. 7, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	80.16	79.86	79.52	79.21	79.48	79.26	79.14	79.04	79.01	80.72	81.44	82.05
10	79.99	79.79	79.64	79.63	79.17	79.44	79.11	79.08	79.49	80.98	81.67	81.85
15	80.00	79.87	79.65	79.52	79.31	79.15	79.05	79.21	79.83	81.18	81.74	81.94
20	79.92	79.74	79.68	79.69	79.46	78.88	79.07	78.77	79.95	81.32	82.06	81.73
25	80.03	79.81	79.98	79.29	79.37	79.07	79.08	78.82	80.19	81.17	82.30	81.78
EOM	79.87	79.89	79.72	79.45	79.62	79.54	79.32	78.93	80.50	80.86	82.41	81.72

WTR YR 1984 MAX 78.67 MAY 3, 1984 MIN 82.51 AUG. 30, 1984

354236090504401. Local number 13N02E35DAC1.
LOCATION.--Lat 35°42'36", long 90°50'44", Hydrologic Unit 08020302, near Otwell.
Owner: A. B. Clark.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12 in, depth 127 ft, cased 0-87 ft, screened 87-127 ft.
DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1969, Sept. 1974, and June 1981 are available in files of district office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
JUL 19...	0930	6	80513	80010	740	7.2	17.0	<1	310	0

354236090504401--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)
JUL 19...	0930	0	91	19	29	17	.8	1.8	335	41

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)
JUL 19...	0930	50	11	.20	35	417	440	.57	<.10	.020

DATE	TIME	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUL 19...	0930	.06	210	1	30	<1	<3	<10	3900

DATE	TIME	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	TRITIUM TOTAL (PCI/L) (07000)
JUL 19...	0930	<10	15	360	<10	330	<6	5	<200

354921090281201. Local number, 14N06E20CCD1.
LOCATION.--Lat 35°49'21", long 90°28'12", Hydrologic Unit 08020203, near Lake City.
Owner: Harley Box.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 8-6 in, depth 150 ft, casing, slotted, 125-150 ft.
DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing. South side, 1.50 ft above land surface.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft below land surface, Apr. 9, 1973; lowest, 5.79 ft below land surface, Sept. 16, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1984, 4.20 ft below land surface.

354635090365601. Local number, 13N04E12ABB1.
LOCATION.--Lat 35°46'35", long 90°36'56", Hydrologic Unit 08020203, near Bay.
Owner: Wilburn Morrison.
AQUIFER.--Sand and gravel or Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 10 in, depth 110 ft, cased 0-70 ft, screened 70-110 ft.
DATRUM.--Land surface, 231 ft National Geodetic Vertical Datum of 1929. Measuring point: Cut-out in North side of casing, 1.50 ft above land sand surface.
REMARKS.--Water-quality records for August 1984. This well replaced 13N05E21BDD1 for a master well.
PERIOD OF RECORD.--August 1984.
EXTREMES FOR PERIOD OF RECORD.--Highest waer level measured, 19.30 ft below land surface, Aug. 7, 1984; lowest, 19.30 ft below land surface, Aug. 7, 1984.

354635090365601--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
AUG										
07...	1230	6	80513	80010	640	7.5	16.0	2	260	0

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)
AUG										
07...	1230	0	76	17	23	16	.6	1.1	285	295

DATE	TIME	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
AUG										
07...	1230	17	16	11	.20	24	363	340	.49	<.10

DATE	TIME	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
AUG										
07...	1230	.040	.12	280	<.0	<20	<1	<3	<10	3000

DATE	TIME	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	TRITIUM TOTAL (PCI/L) (07000)
AUG									
07...	1230	<10	9	150	<10	160	<6	7	<200

354437090335701. Local number, 13N05E21BDD1.
LOCATION.--Lat 35°44'37", long 90°33'57", Hydrologic Unit 08020203.
Owner: Town of Bay.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 147 ft, cased 0-97 ft, screened 97-127 ft, cased 127-147 ft.
DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather-pipe hole, 1.50 ft above land surface.
REMARKS.--Water-quality records for December 1976 and June 1981 are available in files of district office.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft below land surface, Apr. 9, 1973; lowest, 12.43 ft below land surface, May 20, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1984, 10.60 ft below land surface.

350344090130000. Local number, 05N08E11CCA1.
LOCATION.--Lat 35°03'44", long 90°13'[illegible]0", Hydrologic Unit 08020203, near Louise. (site no. AR: H-2).
Owner: U.S.G.S. and M.L.G.W.
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation aretsian well, diameter 6 in, depth 500 ft, cased 0-480 ft, screened 480-500 ft.
DATUM.--Land surface, 211 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land surface.
REMARKS.--Water-quality records for March 1983 are available in files of Memphis district office.
PERIOD OF RECORD.--March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.29 ft below land surface, May 31, 1983; lowest, 26.22 ft below land surface, Oct. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.93	25.80	23.04	23.53	23.70	22.08	19.61	17.90	18.57	20.03	22.39	23.92
10	26.08	25.58	22.70	23.90	23.85	21.69	19.15	17.41	18.99	20.22	22.56	23.99
15	26.22	25.50	22.74	24.01	23.70	21.74	18.86	16.62	19.52	20.53	22.89	24.26
20	26.02	25.02	22.85	24.26	22.72	22.01	18.89	15.95	19.44	21.06	22.78	24.37
25	25.87	24.64	23.43	24.13	22.17	20.97	19.50	16.17	19.55	21.61	23.26	24.51
EOM	25.20	23.97	23.75	23.80	22.26	20.40	18.88	17.85	19.73	22.07	23.72	24.58

WTR YR 1984 MAX 15.95 MAY 20, 1984 MIN 26.22 OCT. 15, 1983

350958090173800. Local number, 06N07E01DAD1.
LOCATION.--Lat 35°09'58", long 90°17'38", Hydrologic Unit 08020203, near Lehi, (site no. AR: C-1).
Owner: U.S.G.S. and M.L.G.W. (well on W. J. Carlson Farm).
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in depth 622 ft, cased 0-602 ft, screened 602-622 ft.
DATUM.--Land surface, 209 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land surface.
REMARKS.--Water-quality records for April 1983, are available in files of Memphis district office.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.31 ft below land surface, June 20, 1983; lowest, 20.64 ft below land surface, Oct. 15, 31, 1983.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.51	20.53	20.01	19.27	19.41	19.04	---	17.10	16.00	17.13	18.63	19.69
10	20.60	20.42	19.99	19.36	19.43	19.09	---	---	16.03	17.47	18.76	19.68
15	20.64	20.43	19.79	19.44	19.39	18.87	---	---	16.16	17.71	18.94	19.92
20	20.47	20.28	19.75	19.55	19.42	18.62	---	---	16.36	17.93	19.05	19.94
25	20.59	20.35	19.54	19.37	19.34	18.59	---	---	16.64	18.19	19.32	19.97
EOM	20.64	20.34	19.51	19.49	19.32	18.58	---	16.09	16.86	18.42	19.51	20.08

WTR YR 1984 MAX 16.00 JUNE 5, 1984 MIN 20.64 OCT. 15, 31, 1983

350906090104201. Local number, 06N09E07CAC1.
LOCATION.--Lat 35°09'06", long 90°10'42", Hydrologic Unit 08020203.
Owner: City of West Memphis.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter, 16 in, depth 1,470 ft, cased 0-1,380 ft, screened 1,380-1,470 ft.
DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Vent pipe east side of pump, 2.80 ft above land surface.
REMARKS.--Water-quality records for December 1976, and June 1981 are in files of district office.
PERIOD OF RECORD.--March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.42 ft below land surface, Mar. 21, 1984; lowest, 60.93 ft below land surface, Mar. 16, 1983.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 21, 1984, 57.42 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
JUL 18...	0830	6	80513	80010	196	7.4	24.0	<1	7	0

350906090104201--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)
JUL 18...	0830	0	2.1	.52	42	91	7	1.2	100	99

DATE	TIME	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUL 18...	0830	7.7	4.0	1.6	.10	9.7	132	120	.18	<.10

DATE	TIME	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUL 18...	0830	.160	.49	32	1	60	<1	<3	<10	310

DATE	TIME	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	TRITIUM TOTAL (PCI/L) (07000)
JUL 18...	0830	<10	13	19	<10	64	<6	8	<200

351043090235901. Local number, 07N07E31CCC1.
LOCATION.--Lat 35°10'43", long 90°23'59", Hydrologic Unit 08020203, near Lansing.
Owner: John McKnight.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 16 in, depth 98 ft.
DATUM.--Land surface, 207 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in steel plate, 1.00 ft above land surface.
PERIOD OF RECORD.--March 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.31 ft below land surface, May 17, 1958; lowest, 19.78 ft below land surface, Mar. 16, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1984, 19.72 ft below land surface.

351349090062800. Local number, 07N09E14BAC1.
LOCATION.--Lat 35°13'49", long 90°06'28", Hydrologic Unit 08020203, about 4 mi east of Marion, (site no. AR: 0-1).
Owner: U.S.G.S. and M.L.G.W. (well on J. F. Fageman Heirs property.)
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 497 ft, cased 0-477 ft, screened 477-497 ft.
DATUM.--Land surface, 217 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land surface.
REMARKS.--Water-quality records for April 1983 are available in files of Memphis district office.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.44 ft below land surface, May 31, 1983; lowest, 35.84 ft below land surface, Sept. 20, 1983.

351349090062800--Continued

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.26	34.52	30.14	31.53	32.70	30.42	26.71	24.05	26.49	28.92	31.70	33.24
10	35.37	33.83	29.44	32.46	32.74	29.81	25.90	23.47	27.38	28.93	31.93	33.38
15	35.37	33.88	29.84	32.70	32.51	30.28	25.52	22.08	28.14	29.43	32.22	33.52
20	34.96	33.21	30.06	33.14	31.17	30.42	25.69	21.56	28.21	30.11	32.00	33.83
25	34.29	32.51	31.12	33.09	30.49	28.85	26.75	22.42	28.36	30.72	32.71	34.03
EOM	33.77	31.53	31.52	32.54	30.80	27.94	25.18	25.53	28.55	31.31	33.14	34.00

WTR YR 1984 MAX 21.56 MAY 20, 1984 MIN 35.37 OCT. 10, 15, 1983

CROSS COUNTY

351542090332002. Local number, 07N05E03BCD2.
LOCATION.--Lat 35°15'42", long 90°33'20", Hydrologic Unit 08020203, (city well No. 2).
Owner: Parkin Water Company.
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
DATUM.--Land surface, 211 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe south side of pump, 1.00 ft above land surface.
REMARKS.--Water-quality records available: For city well 07N05E04ADB1: December 1976.
PERIOD OF RECORD.--November 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.86 ft below land surface, Mar. 23, 1984; lowest, 30.66 ft below land surface, Mar. 17, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1934, 18.86 ft below land surface.

351544090334101. Local number, 07N05E04ADB1.
LOCATION.--Lat 35°15'44", long 90°33'41", Hydrologic Unit 08020203.
Owner: Parkin Water Company.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 462 ft.
DATUM.--Land surface, 206 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for December 1976, and June 1981 are available in files of district office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
JUL 17...	1230	6	80513	80010	227	7.5	20.0	2	65	0

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)
JUL 17...	1230	0	18	4.5	21	39	1	5.2	110	109

DATE	TIME	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUL 17...	1230	6.7	9.8	3.3	.10	13	144	140	.20	<.10

DATE	TIME	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUL 17...	1230	.030	.09	350	1	60	<1	<3	<10	1000

351544090334101--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	TRITIUM TOTAL (PCI/L) (07000)
JUL									
17...	1230	<10	12	36	<10	830	<6	470	<200

352231090421501. Local number, 09N04E30DCA1.
LOCATION.--Lat 35°22'31", long 90°42'15", Hydrologic Unit 08020205.
Owner: Vanndale-Birdeye Water Association.
AQUIFER.--Sand, Memphis aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 1,148 ft, cased 0-1,038 ft, screened 1,038-1,148 ft.
DATUM.--Land surface, 429 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in pipe in pump base, 2.50 ft above land surface.
REMARKS.--Water-quality records for December 1976, and June 1981 are available in files of district office.
PERIOD OF RECORD.--July 26, 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 240.47 ft below land surface, Mar. 22, 1976; lowest, 258.50 ft below land surface, Apr. 8, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 247.41 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)
JUL										
17...	1030	6	80513	80010	538	7.4	21.5	<1	230	0

DATE	TIME	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
JUL										
17...	1030	0	59	20	23	18	.7	2.0	278	278

DATE	TIME	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL										
17...	1030	21	9.6	3.8	.20	16	306	300	.42	<.10

DATE	TIME	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
JUL										
17...	1030	.020	.06	140	<.0	<20	<1	<3	<10	1300

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	TRITIUM TOTAL (PCI/L) (07000)
JUL									
17...	1030	10	9	93	<10	260	<6	15	<200

351326090473603. Local number, 07N03E16CCC3.
LOCATION.--Lat 35°13'26", long 90°47'36", Hydrologic Unit 08020205, at Wynne (city well No. 3).
Owner: City of Wynne.
AQUIFER.--Sand, Memphis aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in, depth 800 ft, cased 730 ft, screened 730-800 ft.
DATUM.--Land surface, 253 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening in north side of pump, 3.00 ft above land surface.
REMARKS.--Well is infrequently pumped.
PERIOD OF RECORD.--November 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.02 ft below land surface, Apr. 4, 1968; lowest, 83.20 ft below land surface, Mar. 26, 1980.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 79.78 ft below land surface.

351456090423201. Local number, 07N04E07ABC1.
LOCATION.--Lat 35°14'56", long 90°42'32", Hydrologic Unit 08020203, near Princedale.
Owner: J. E. Hollan, Jr.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in, depth 196 ft.
DATUM.--Land surface, 222 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug hole in pump base, 1.90 ft above land surface.
PERIOD OF RECORD.--February 1955, February 1961-62, July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.68 ft below land surface, Sept. 16, 1975; lowest, 46.94 ft below land surface, Jan. 14, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 44.27 ft below land surface.

352204091000201. Local number, 09N01E33BBA1.
LOCATION.--Lat 35°22'04", long 91°00'02", Hydrologic Unit 08020205, near Hickory Ridge.
Owner: H. H. Holleman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12-8 in.
DATUM.--Land surface, 225 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pit casing, north side, 0.90 ft above land surface.
PERIOD OF RECORD.--January 1957 to August 1962, April 1964 to April 1974, March 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.90 ft below land surface, June 19, 1957; lowest, 58.74 ft below land surface, Mar. 29, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1984, 58.74 ft below land surface.

DALLAS COUNTY

334830092245702. Local number, 10S13W34ACA2.
LOCATION.--Lat 33°48'30", long 92°24'57", Hydrologic Unit 08040201, at Fordyce.
Owner: Fordyce Water Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 10-8 in, depth 888 ft.
DATUM.--Land surface, 272 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe in concrete base, 0.50 ft above land surface.
REMARKS.--Water-quality records for 1946 available in files of district office.
PERIOD OF RECORD.--October 1949 to May 1950, June 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.81 ft below land surface, May 8, 1950; lowest, 141.08 ft below land surface, Mar. 31, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 140.83 ft below land surface.

DESHA COUNTY

334615091170501. Local number, 11S02W03CCA1.
LOCATION.--Lat 33°46'15", long 91°17'05", Hydrologic Unit 08050002, near Rohwer.
Owner: R. A. Adcock.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 754 ft, cased 0-679 ft, screened 679-754 ft.
DATUM.--Land surface, 139 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land surface.
PERIOD OF RECORD.--July 1952, December 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.50 ft below land surface, July 27, 1952; lowest, 50.47 ft below land surface, Mar. 27, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 50.47 ft below land surface.

335258091152301. Local number, 09S02W26DDC1.
LOCATION.--Lat 33°52'58", long 91°15'23", Hydrologic Unit 08050002, near Watson.
Owner: Ed Smith.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation artesian well diameter 5-2 in, depth 97 ft, cased 0-94 ft, screened 94-97 ft.
DATUM.--Land surface, 149.27 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.71 ft above land surface.
REMARKS.--Water level fluctuates largely with stage of Arkansas River.
PERIOD OF RECORD.--October 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.94 ft below land surface, Feb. 17, 1959; lowest, 23.27 ft below land surface, Aug. 31, 1982.

335810091325301--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.28	20.10	18.11	16.66	15.58	14.51	13.25	12.39	13.95	17.46	19.61	20.75
10	21.05	19.94	17.96	16.46	15.59	14.15	12.95	12.18	14.68	17.56	19.75	20.81
15	20.83	19.79	17.42	16.31	14.94	14.03	12.77	12.12	15.53	17.88	19.87	20.79
20	20.63	19.66	17.35	16.30	14.77	13.60	12.79	12.40	16.27	18.10	19.89	20.70
25	20.45	18.93	17.05	16.01	14.78	13.54	12.80	12.53	16.87	18.53	20.19	20.59
EOM	20.26	18.63	16.84	15.63	14.70	13.51	12.86	13.31	17.34	19.20	20.53	20.42

WTR YR 1984 MAX 12.12 MAY 12-16, 1984 MIN 21.48 OCT. 1, 1983

335810091325301. Local number, 09S04W06BBC1.
LOCATION.--Lat 33°58'10", long 91°32'53", Hydrologic Unit 08050001, near Gould.
Owner: Holthoff Brothers.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in, depth 102 ft, screened 70-102 ft.
DATUM.--Land surface, 161.75 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--August 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.87 ft below land surface, May 8, 1958; lowest, 26.88 ft below land surface, Mar. 26, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1984, 26.88 below land surface.

DREW COUNTY

332418091272601. Local number, 15S04W12DDA1.
LOCATION.--Lat 33°24'18", long 91°27'26", Hydrologic Unit 08050001, near Jerome.
Owner: Ernest Ellington and Son.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS--Drilled unused artesian well, diameter 18-8 in, depth 760 ft, cased 0-680 ft, screened 680-760 ft.
DATUM.--Land surface, 125 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, south side, 2.00 ft above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--March 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.03 ft below land surface, June 12, 1962; lowest, 51.96 ft below land surface, Apr. 16, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 16, 1984, 51.96 ft below land surface.

334545091383701. Local number, 11S05W08CCC1.
LOCATION.--Lat 33°45'45", long 91°38'37", Hydrologic Unit 08040205, near Florence.
Owner: J. E. Holloway.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 153 ft, cased 0-93 ft, screened 93-153 ft.
DATUM.--Land surface, 185 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug in pump, south side, 2.00 ft above land surface.
PERIOD OF RECORD.--January 1965 to March 1968, March 1970 to March 1975, April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.47 ft below land surface, May 6, 1965; lowest, 36.03 ft below land surface, Apr. 7, 1977.
MEASUREMENT FOR CURRENT YEAR.--Apr. 17, 1983, 32.59 ft below land surface.

334601091412101. Local number, 11S06W11DBC1.
LOCATION.--Lat 33°46'01", long 91°41'21", Hydrologic Unit 08040205, near Florence.
Owner: James E. Henley, Jr.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in, depth 864 ft, cased 0-824 ft, screened 824-864 ft.
DATUM.--Land surface, 203 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump base, 1.50 ft above land surface.
REMARKS.--Water-quality records for 1953 available in files of district office.
PERIOD OF RECORD.--March 1962, March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.10 ft below land surface, March 27, 1964; lowest, 131.77 ft below land surface, Apr. 17, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 17, 1984, 131.77 ft below land surface.

FULTON COUNTY

362219091492101. Local number, 20N08W27AAB1.
LOCATION.--Lat 36°22'19", long 91°49'21", Hydrologic Unit 11010010, at Salem.
Owner: City of Salem.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, depth 1,280 ft.
DATUM.--Land surface, 660 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for January 1969, April 1975, and June 1982 are available in files of district office.

362207091492401. Local number, 20N08W27ABD1.
LOCATION.--Lat 36°22'07", long 91°49'24", Hydrologic Unit 11010010, at Salem.
Owner: City of Salem.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 1,282 ft.
DATUM.--Land surface, 660 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--February 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.24 ft below land surface, Apr. 18, 1979; lowest, 50.73 ft below land surface, Nov. 21, 1974.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1984, 21.88 ft below land surface.

362359091590001. Local number, 20N09W18ACB1.
LOCATION.--Lat 36°23'59", long 91°59'00", Hydrologic Unit 1101006, at Viola.
Owner: City of Viola.
AQUIFER.--Roubidoux Formation of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 950 ft.
DATUM.--Land surface, 860 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing under cover plate, 2.50 ft above land surface.
REMARKS.--Water-quality records for June 1982 are in files of district office.
PERIOD OF RECORD.--July 1978, April 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.60 ft below land surface, July 24, 1978; lowest, 111.08 ft below land surface, Mar. 21, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1984, 111.08 ft below land surface.

GREENE COUNTY

360322090290401. Local number, 17N06E31DCB1.
LOCATION.--Lat 36°03'22", long 90°29'04", Hydrologic Unit 08020203, at Paragould (city well No. 1).
Owner: City of Paragould.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 20 in, depth 507 ft, screened 467-507 ft.
DATUM.--Land surface, 285 ft National Geodetic Vertical Datum of 1929. Measuring point: Pipe in east side of pump base, 1.00 ft above land surface.
REMARKS.--Water-quality records for December 1976, June 1981, and July 1984 are available in files of district office.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.25 ft below land surface, Apr. 13, 1967; lowest, 109.95 ft below land surface, Mar. 25, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1984, 91.10 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
JUL 18...	1130	6	80513	80010	281	7.2	19.0	13	15	0

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM, DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)
JUL 18...	1130	0	4.1	1.1	57	88	7	2.1	143	143

DATE	TIME	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUL 18...	1130	17	2.3	2.6	.20	12	186	170	.25	<.10

DATE	TIME	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUL 18...	1130	.300	.92	35	1	180	<1	<3	<10	420

360322090290401--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	TRITIUM TOTAL (PCI/L) (07000)
JUL									
18...	1130	<10	27	24	<10	110	<6	17	<200

360219090262501. Local number, 16N06E03CCC1.
LOCATION.--Lat 36°02'19", long 90°26'25", Hydrologic Unit 08020203, near Paragould.
Owner: Otis Williams.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in, depth 194 ft.
DATUM.--Land surface, 255 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base, north side, 1.00 ft above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.21 ft below land surface, Mar. 10, 1958; lowest, 40.01 ft below land surface, July 22, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1984, 28.91 ft below land surface.

HEMPSTEAD COUNTY

334345093373701. Local number, 12S24W06CDC1.
LOCATION.--Lat 33°43'45", long 93°37'37", Hydrologic Unit 11140201, at Hope (city well No. 5).
Owner: City of Hope.
AQUIFER.--Sand, Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1,156 ft.
DATUM.--Land surface, 355 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 1.50 ft above land surface.
REMARKS.--Water-quality records for June 1972, January 1977, and June 1982 are available in files of district office.
PERIOD OF RECORD.--April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.02 ft below land surface, Apr. 14, 1972; lowest, 189.88 ft below land surface, Mar. 31, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1984, 175.97 ft below land surface.

334358093370101. Local number, 12S24W06DAD1.
LOCATION.--Lat 33°43'58", long 93°37'01", Hydrologic Unit 11140201, at Hope (city well No. 2).
Owner: City of Hope.
AQUIFER.--Sand, Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1,200 ft.
DATUM.--Land surface, 355 ft National Geodetic Vertical Datum of 1929. Measuring point: 2-in pipe in south side of concrete base, 0.80 ft above land surface.
PERIOD OF RECORD.--April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.44 ft below land surface, Apr. 5, 1971; lowest, 200.45 ft below land surface, Mar. 28, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1984, 177.62 ft below land surface.

JACKSON COUNTY

353323091213701. Local number, 11N03W30CBA1.
LOCATION.--Lat 35°33'23", long 91°21'37", Hydrologic Unit 11010013, near Olyphant.
Owner: R. D. Wilmans, Jr.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 14 in, depth 90 ft, cased 0-60 ft, screened 60-90 ft.
DATUM.--Land surface, 223 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of casing, at land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.54 ft below land surface, Mar. 20, 1979; lowest, 28.25 ft below land surface, Sept. 21, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1984, 15.57 ft below land surface.

JEFFERSON COUNTY

340901091564601. Local number, 07S08W06BAA1.
LOCATION.--Lat 34°09'01", long 91°56'46", Hydrologic Unit 08040205, near Pine Bluff.
Owner: W. K. Shell.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-8 in, depth 160 ft, cased 0-120 ft, screened 120-160 ft.
DATUM.--Land surface, 202.31 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/2-in pipe on south side of pump base, 1.00 ft above land surface.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.88 ft below land surface, Apr. 5, 1962; lowest, 21.09 ft below land surface, July 9, 1965.
MEASUREMENT FOR CURRENT YEAR.--Apr. 18, 1984, 13.93 ft below land surface.

341138091551601. Local number, 06S08W16CCC1.
LOCATION.--Lat 34°11'38",long 91°55'16", Hydrologic Unit 08040205, at intersection of U.S. Highway 62 and State Highway 81 near Pine Bluff (company observation well No. 3).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 1,106 ft, cased 0-1,017 ft, 1,033-1,053 ft, 1,068-1,090 ft, screened 1,017-1,033 ft, 1,053-1,068 ft, 1,090-1,106 ft.
DATUM.--Land surface, 202.42 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--August 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.98 ft below land surface, Sept. 4, 1958; lowest, 246.65 ft below land surface, Apr. 25, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 20	238.20	Jan. 25	238.20	Mar. 21	227.25	June 26	231.00	Aug. 25	230.55
Nov. 22	238.10	Feb. 22	228.10	Apr. 25	246.65	July 25	231.60	Sept. 20	231.10
				May 22	226.20				

341151092022101. Local number, 06S09W17CCA1.
LOCATION.--Lat 34°11'51", long 92°02'21", Hydrologic Unit 08040205, at Midland Drive North and Midland Drive South, Pine Bluff.
Owner: General Water Works Corporation.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4-2 in, depth 906 ft.
DATUM.--Land surface, 234.34 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
PERIOD OF RECORD.--October 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.36 ft below land surface, Oct. 17, 1956; lowest, 255.90 ft below land surface, Mar. 22, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 18, 1984, 247.19 ft below land surface.

341147092022301. Local number, 06S09W17CCB1.
LOCATION.--Lat 34°11'47", long 92°02'23", Hydrologic Unit 08040205, near Midland Drive North and Midland Drive South, Pine Bluff.
Owner: General Water Works Corporation (well No. 16).
AQUIFER.--Sparta Sand of Eocene Age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-8 in, depth 963 ft, cased 0-783 ft, screened 783-863 ft.
DATUM.--Land surface, 231 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for December 1968, June 1975, August 1979, and June 1983 are available in files of district office.

341427091565201. Local number, 05S09W35AAB1.
LOCATION.--Lat 34°14'27", long 91°56'52", Hydrologic Unit 11110207, at St. Louis and Southwestern Railroad yard near Pine Bluff (company observation well No. 5).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 809 ft.
DATUM.--Land surface, 20[illegible].67 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land surface.
PERIOD OF RECORD.--September 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.73 ft below land surface, May 23, 1957; lowest, 271.59 ft below land surface, Mar. 24, 1981.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 18, 1984, 255.20 ft below land surface.

342116091474501. Local number, 04S07W17CCB1.
LOCATION.--Lat 34°21'16", long 91°47'45", Hydrologic Unit 08020401, near Wabbaseka.
Owner: Frank Ragland.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-12 in, depth 101 ft, cased 0-71 ft, screened 71-101 ft.
DATUM.--Land surface, 203 ft National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 7.00 ft above land surface.
PERIOD OF RECORD.--October 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.05 ft below land surface, Feb. 27, 1952; lowest, 42.55 ft below land surface, Mar. 26, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1984, 42.55 ft below land surface.

LAFAYETTE COUNTY

330804093435501. Local number, 19S25W06ABD1.
LOCATION.--Lat 33°08'04", long 93°43'55", Hydrologic Unit 11140201, near Gin City.
Owner: Earl Stanley.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-12 in, depth 63 ft, cased 0-43 ft, screened 43-63 ft.
DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 2.00 ft above land surface.
PERIOD OF RECORD.--March 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.53 ft below land surface, Apr. 1, 1959; lowest, 17.67 ft below land surface, Nov. 29, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 12, 1984, 14.11 ft below land surface.

332145093280402. Local number, 16S23W10DCA2.
LOCATION.--Lat 33°21'45", long 93°28'04", Hydrologic Unit 11140203, near Stamps.
Owner: Arkansas Power and Light Company.
AQUIFER.--Cane River Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 355 ft.
DATUM.--Land surface, 293.50 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--June 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft below land surface, Mar. 31, 1953; lowest, 88.90 ft below land surface, Oct. 1, 1963.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 12, 1984, 70.19 ft below land surface.

LEE COUNTY

344203090411601. Local number, 01N04E09DCC1.
LOCATION.--Lat 34°42'03", long 90°41'16", Hydrologic Unit 08020203, near Marianna.
Owner: U.S. Geological Survey.
AQUIFER.--Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6-3 in, depth 1,885 ft, cased 0-1,865 ft, screened 1,865-1,885 ft.
DATUM.--Land surface, 204 ft National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in plug in pipe cap, 3.50 ft above land surface.
REMARKS.--Water-quality records for 1964 available in files of district office.
PERIOD OF RECORD.--September 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.64 ft below land surface, Apr. 10, 1967; lowest, 28.70 ft below land surface, Mar. 22, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 28.70 ft below land surface.

344341090460001. Local number, 01N03E02BBC1.
LOCATION.--Lat 34°43'41", long 90°46'00", Hydrologic Unit 08020304, near Marianna.
Owner: University of Arkansas, Cotton Branch Experiment Station.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 24-12 in, depth 168 ft.
DATUM.--Land surface, 236.43 ft National Geodetic Vertical Datum of 1929. Measuring point: Small pipe in west side of pump base, 2.00 ft above land surface.
PERIOD OF RECORD.--March 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.16 ft below land surface, Apr. 17, 1961; lowest, 49.67 ft below land surface, Nov. 15, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 41.45 ft below land surface.

LITTLE RIVER COUNTY

333928094065401. Local number, 13S29W04CBC1.
LOCATION.--Lat 33°39'28", long 94°06'54", Hydrologic Unit 11140109, at Ashdown (city well No. 6).
Owner: City of Ashdown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-6 in, depth 95 ft, cased 0-65 ft screened, 65-95 ft.
DATUM.--Land surface, 327 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1981 are available in files of district office.

333951094071501. Local number, 13S29W05ABC1.
LOCATION.--Lat 33°39'51", long 94°07'15", Hydrologic Unit 11140109, near Ashdown.
Owner: Diggs and Hagan.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-8 in, depth 98 ft, cased 0-58 ft, screened 58-98 ft.
DATUM.--Land surface, 330 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
REMARKS.--Water-quality records for 1972 available in files of district office.
PERIOD OF RECORD.--March 1957 to March 1968, April 1971 to April 1973, March 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.55 ft below land surface, Dec. 2, 1958; lowest, 48.16 ft below land surface, Mar. 24, 1976.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1984, 24.11 ft below land surface.

333851094254201. Local number 13S32W09CCC1.
LOCATION.--Lat 33°38'51", long 94°25'42", Hydrologic Unit 11140106, near Foreman.
Owner: W. L. Matteson.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 4 in, depth 52 ft, cased 0-42 ft, screened 45-52 ft.
DATUM.--Land surface, 313 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land surface.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.87 ft below land surface, Mar. 29, 1983; lowest, 5.47 ft below land surface, Mar. 24, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1984, 1.84 ft below land surface.

344607091543401. Local number, 02N08W30CAB1.
LOCATION.--Lat 34°46'07", long 91°54'34", Hydrologic Unit 08020402, at Joe Hogan State Fish Hatchery near Lonoke.
Owner: State Game and Fish Commission.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 18 in, depth 135 ft.
DATUM.--Land surface, 245 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
PERIOD OF RECORD.--September 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.65 ft below land surface, Mar. 24, 1969; lowest, 114.37 ft below land surface, Sept. 5-6, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	111.21	110.14	109.06	108.87	108.70	108.17	108.71	109.04	109.18	111.03	112.76	113.55
10	111.49	109.84	108.87	109.02	108.13	108.48	109.38	108.99	110.06	111.53	112.57	112.57
15	111.06	---	109.51	108.90	---	108.25	110.05	109.05	110.89	112.03	112.57	112.44
20	110.59	---	109.27	108.38	108.48	108.08	110.00	108.93	110.31	111.45	112.57	111.84
25	110.77	---	108.87	108.23	108.33	108.49	109.85	109.06	110.84	112.26	112.67	113.03
EOM	110.34	109.73	109.09	108.23	108.61	108.74	109.79	108.96	110.90	112.55	113.43	113.33

WTR YR 1984 MAX 107.75 FEB. 27, 1984 MIN 113.57 SEPT. 2-4, 1984

344955091565301. Local number, 02N09W02BCB1.
LOCATION.--Lat 34°49'55", long 91°56'53", Hydrologic Unit 08020402, near Lonoke.
Owner: Joe Bob Gotcher.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in, depth 128 ft.
DATUM.--Land surface, 255 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate over well at land surface.
PERIOD OF RECORD.--March 1937, March 1944, March 1947, March 1951, March 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.72 ft below land surface, Mar. 28, 1937; lowest, 106.82 ft below land surface, May 10, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 9, 1984, 97.80 ft below land surface.

MILLER COUNTY

332441093461401. Local number, 15S26W34AAA1.
LOCATION.--Lat 33°24'41", long 93°46'14", Hydrologic Unit 11140201, near Garland on U.S. Highway No. 82.
Owner: Harold E. Beck.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 41 ft.
DATUM.--Land surface, 230 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--November 1960, April 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.25 ft below land surface, August 21, 1970; lowest, 13.98 ft below land surface, April 14, 1972.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 13, 1984, 7.15 ft below land surface.

MISSISSIPPI COUNTY

353213090072701. Local number, 11N09E34BBB1.
LOCATION.--Lat 35°32'13", long 90°07'27", Hydrologic Unit 08020203, near Bassett.
Owner: Crain Company.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 94 ft, cased 0-84 ft, screened 84-94 ft.
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 0.50 ft above land surface.
PERIOD OF RECORD.--May 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.48 ft below land surface, May 14, 1958; lowest, 14.18 ft below land surface, Mar. 23, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1984, 12.91 ft below land surface.

355005090034601. Local number, 14N10E18ABC1.
LOCATION.--Lat 35°50'05", long 90°03'46", Hydrologic Unit 08020203, near Dell.
Owner: R. A. Greenway.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in, depth 101 ft, cased 0-51 ft, screened 51-101 ft.
DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft above land surface.
REMARKS.--Water-quality records for 1956 and 1957 available in files of district office.
PERIOD OF RECORD.--May 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD--Highest water level measured, 4.90 ft below land surface, Dec. 11, 1957; lowest, 15.86 ft below land surface, Nov. 18, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1984, 11.22 ft below land surface.

355607090152601. Local number, 15N08E08DBC1.
LOCATION.--Lat 35°56'07", long 90°15'26", Hydrologic Unit 08020204, at Leachville.
Owner: City of Leachville (city well No. 1).
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply unused artesian well, diameter 10-6 in, depth 1,083 ft cased 0-1,000 ft, screened 1,000-1,083 ft.
DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of outer casing, 1.00 ft above land surface.
REMARKS.--Water-quality records for 1956 in files of district office.
PERIOD OF RECORD.--November 1958, March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft below land surface, Nov. 5, 1958; lowest, 10.18 ft below land surface, June 10, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1984, 8.00 ft below land surface.

355323089552101. Local number 15N11E28CAC1.
LOCATION.--Lat 35°53'23", long 89°55'21", Hydrologic Unit 08010100, at Dogwood.
Owner: Dogwood Community Water Association, Inc.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 1,400 ft, cased 0-1,337 ft, sreened 1,337 -1,400 ft.
DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929. Measuring point: remove pressure gage, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1956, June 1970, April 1975, and June 1982 are available in files of district office. Water-level measurement discontinued.
PERIOD OF RECORD.--March 1968 to April 1972.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.90 ft below land surface, Apr. 11, 1968; lowest, 19.89 ft below land surface, Apr. 14, 1972.

MONROE COUNTY

344135091165101. Local number, 01N03W24BBB1.
LOCATION.--Lat 34°41'35", long 91°16'51", Hydrologic Unit 08020303, near Clarendon.
Owner: B. B. Bateman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 14-6 in, depth 108 ft.
DATUM.--Land surface, 185 ft National Geodetic Vertical Datum of 1929. Measuring point: Cut out in casing, north side, 1.00 ft above land surface.
PERIOD OF RECORD.--January 1957, February 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft below land surface, Apr. 16, 1962; lowest, 24.60 ft below land surface, Nov. 16, 1965.
MEASUREMENT FOR CURRENT YEAR.--Apr. 10, 1984, 21.93 ft below land surface.

NEVADA COUNTY

334756093231801. Local number, 11S22W08DAC1.
LOCATION.--Lat 33°47'56", long 93°23'18", Hydrologic Unit 08040103, at Prescott (city well No. 1).
Owner: City of Prescott.
AQUIFER.--Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 11-6 in, depth 1,052 ft, cased 0-1,002 ft, screened 1,002-1,052 ft.
DATUM.--Land surface, 305 ft National Geodetic Vertical Datum of 1929. Measuring point: 2-in plug in concrete base, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1972, and June 1983 are available in files of district office.
PERIOD OF RECORD.--February 1970 to current year.
EXTREMES FOR PERIOD OF REORD.--Highest water level measured, 94.05 ft below land surface, Mar. 23, 1972; lowest, 170.33 ft below land surface, Mar. 31, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 153.58 ft below land surface.

334759093231301. Local number, 11S22W08DAC2.
LOCATION.--Lat 33°47'59", long 93°23'13", Hydrologic Unit 08040103, at Prescott (city well No. 4).
Owner: City of Prescott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-12 in, depth 232 ft, cased 0-172 ft, screened 172-232 ft.
DATUM.--Land surface, 306 ft National Geodetic Vertical Datum of 1929. Measuring point: 1-in pipe on northeast side of concrete base, 1.70 ft above land surface.
REMARKS.--Water-quality records for June 1981 are available in files of district office.
PERIOD OF RECORD.--May 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.79 ft below land surface, Mar. 27, 1980; lowest, 138.42 ft below land surface, Apr. 9, 1974.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 117.00 ft below land surface.

OUACHITA COUNTY

334018092594801. Local number, 12S18W19CDC1.
LOCATION.--Lat 33°40'18", long 92°59'48", Hydrologic Unit 08040102, near Bragg City.
Owner: U.S. Geological Survey.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 120 ft, cased 0-117 ft, screened 117-120 ft.
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land surface.
REMARKS.--Water-quality records for 1957 and 1958 available in files of district office.
PERIOD OF RECORD.--November 1958 to March 1962, March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.71 ft below land surface, Mar. 31, 1975; lowest, 53.20 ft below land surface, Oct. 1, 1970.
MEASUREMENT FOR CURRENT YEAR.--Apr. 3, 1984, 43.94 ft below land surface.

334215092413201. Local number, 12S16W12ADB1.
LOCATION.--Lat 33°42'15", long 92°41'32', Hydrologic Unit 08040102, near Eagle Mills.
Owner: J. S. J. Lyle Estate.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 300 ft.
DATUM.--Land surface, 159 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land surface.
PERIOD OF RECORD.--October 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.48 ft below land surface, May 15, 1962; lowest, 30.27 ft below land surface, Apr. 5, 1968.
MEASUREMENT FOR CURRENT YEAR.--Apr. 3, 1984, 25.42 ft below land surface.

PHILLIPS COUNTY

341534090563001. Local number, 05S02E18BDA1.
LOCATION.--Lat 34°15'34", long 90°56'30", Hydrolgic Unit 08020303, near Ratio.
Owner: Brooks Griffith.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 130 ft.
DATUM.--Land surface, 156 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of pump, 1.50 ft above land surface.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft below land surface, Apr. 17, 1961; lowest, 22.53 ft below land surface, Nov. 16, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1984, 13.58 ft below land surface.

342910090363401. Local number, 02S05E29CBC1.
LOCATION.--Lat 34°29'30", long 90°36'34", Hydrologic Unit 08020303, near Helena.
Owner: Arcadian Corporation, formerly Allied Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 16 in, depth 377 ft, cased 0-298 ft, screened 298-358 ft.
DATUM.--Land surface, 179 ft National Geodetic Vertical Datum of 1929.
REMARKS.--This well replaced 02S05E29CCC1 for quality-water records. Water-quality records for June 1982 are available in files of district office.

342856090363601. Local number, 02S05E29CCC1.
LOCATION.--Lat 34°28'56", long 90°36'36", Hydrologic Unit 08020303, near Helena.
Owner: Arcadian Corporation, formerly Allied Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in, depth 308 ft, cased 0-278 ft, screened 278-308 ft.
DATUM.--Land surface, 179 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
REMARKS.--Water-quality records for June 1970 and March 1975 are available in files of district office.
PERIOD OF RECORD.--February 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.17 ft below land surface, May 22, 1983; lowest, 98.13 ft below land surface, July 13, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	33.29	28.80	29.96	29.24	33.47	32.42	27.48	28.66	31.30	32.63	36.86
10	---	32.87	28.99	29.75	34.22	31.40	30.89	30.84	28.51	32.09	34.47	36.50
15	---	32.05	28.22	29.07	34.01	33.07	31.87	29.98	29.69	34.33	34.61	36.16
20	33.66	32.64	28.02	30.64	33.78	32.64	29.99	29.05	30.44	33.86	35.05	36.00
25	32.87	31.13	29.93	31.89	32.30	33.96	30.56	28.46	30.83	33.57	35.49	36.88
EOM	34.85	29.74	29.29	29.49	36.03	31.86	30.18	26.66	30.40	33.15	37.41	34.44

WTR YR 1984 MAX 26.37 MAY 29, 1984 MIN 38.02 AUG. 31, 1984

343108090462601. Local number, 02S03E15ACD1.
LOCATION.--Lat 34°31'08", long 90°46'26", Hydrologic Unit 08020304, near Barton.
Owner: Don R. Dearing.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 112 ft.
DATUM.--Land surface, 147 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
PERIOD OF RECORD.--March 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.61 ft below land surface, Apr. 25, 1973; lowest, 17.44 ft below land surface, Aug. 11, 1982, and Sept. 9, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	15.27	13.80	11.72	11.85	10.32	9.05	7.32	10.97	14.19	15.20	15.63
10	---	15.28	13.49	11.80	11.92	9.75	9.12	6.89	11.31	14.47	15.30	15.75
15	---	15.34	12.96	12.04	10.67	9.19	9.34	8.05	12.34	14.74	15.23	15.90
20	15.30	15.25	12.68	12.48	10.45	9.05	9.76	8.42	13.04	14.98	15.24	16.02
25	15.25	14.88	12.08	11.88	10.63	9.82	9.49	9.07	13.40	15.21	15.32	16.15
EOM	15.24	14.60	11.96	11.75	10.57	9.82	10.25	10.06	13.83	15.16	15.48	16.08

WTR YR 1984 MAX 6.81 MAY 9, 1984 MIN 16.17 SEPT. 25-26, 1984

POINSETT COUNTY

352930090582501. Local number, 10N01E15DBB1.
LOCATION.--Lat 35°29'30", long 90°58'25", Hydrologic Unit 08020205, at Fisher.
Owner: City of Fisher.
AQUIFER.--Sand, Memphis aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 6 in, depth 302 ft, cased 0-260 ft, screened 260-302 ft.
DATUM.--Land surface, 232 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening south, side of pump, 1.80 ft above land surface.
REMARKS.--Water-quality records for June 1970, March 1975, and June 1982, are available in files of district office.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.20 ft below land surface, Apr. 8, 1968; lowest, 69.73 ft below land surface, Mar. 29, 1984.
MEASUREMEMT FOR CURRENT YEAR.--Mar. 29, 1984, 69.73 ft below land surface.

PRAIRIE COUNTY

343639091335201. Local number, 01S05W20ABB1.
LOCATION.--Lat 34°36'39", long 91°33'52", Hydrologic Unit 08020303, near Stuttgart.
Owner: Mike Prislovsky.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 632 ft, cased 0-545 ft, screened 545-632 ft.
DATUM.--Land surface, 220 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.00 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1937, April 1942, May 1947, October 1949 to current year.
EXTREMES FOR PEROD OF RECORD.--Highest water level measured, 50.43 ft below land surface, Apr. 29, 1938; lowest 140.30 ft below land surface, Mar. 22, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 140.30 ft below land surface.

344644091382801. Local number, 02N06W21DAD1.
LOCATION.--Lat 34°46'44", long 91°38'28", Hydrologic Unit 08020303, near Carlisle.
Owner: E. O. Hansen, Estate.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-12 in, depth 314 ft, cased 0-254 ft, screened 254-314 ft.
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--July 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 83.88 ft below land surface, Mar. 20, 1963; lowest, 114.67 ft below land surface, May 22, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 104.65 ft below land surface.

345843091344601. Local number, 04N05W07CDC1.
LOCATION.--Lat 34°58'43", long 91 34'46", Hydrologic Unit 08020301, near Des Arc.
Owner: Fred Rodgers.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 18-12 in.
DATUM.--Land surface, 212 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft above land surface.
PERIOD OF RECORD.--December 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.-Highest water level measured, 47.73 ft below land surface, Apr. 2, 1968; lowest, 63.60 ft below land surface, Mar. 23, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1984, 63.30 ft below land surface.

ST. FRANCIS COUNTY

345848090521903. Local number, 04N02E03DDD3.
LOCATION.--Lat 34°58'48", long 90°52'19", Hydrologic Unit 08020205, near Palestine at Hamilton Moses Plant (plant well No. 3).
Owner: Arkansas Power and Light Co.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 16 in, depth 151 ft.
DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in southwest side of pump base, 3.00 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.23 ft below land surface, June 29, 1961; lowest, 32.01 ft below land surface, Mar. 20, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1984, 32.01 ft below land surface.

350029090265801. Local number, 05N06E34CAB1.
LOCATION.--Lat 35°00'29", long 90°26'58", Hydrologic Unit 08020203, near Greasy Corner.
Owner: C. D. Brown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12-10 in, depth 110 ft.
DATUM.--Land surface, 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 1.70 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1955, February 1961, March 1962, July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.59 ft below land surface, Mar. 31, 1975; lowest, 26.13 ft below land surface, Mar. 18, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 21.71 ft below land surface.

SEVIER COUNTY

335808094100101. Local number, 09S30W23BDD1.
LOCATION.--Lat 33°58'08", long 94°10'01", Hydrologic Unit 11140109, at Lockesburg (city well No. 1).
Owner: City of Lockesburg.
AQUIFER.--Trinity Group of Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 197 ft.
DATUM.--Land surface, 440 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--November 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.17 ft below land surface, Apr. 17, 1968; lowest, 81.76 ft below land surface, Apr. 5, 1978.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1984, 73.16 ft below land surface.

335806094100102. Local number, 09S30W23BDD2.
LOCATION.--33°58'06", long 94°10'01", Hydrologic Unit 11140109, at Lockesburg (city well No. 2).
Owner: City of Lockesburg.
AQUIFER.--Trinity Group of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 195 ft, screened 175-195 ft.
DATUM.--Land surface, 440 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1972, February 1977, and June 1982 are available in files of district office.

UNION COUNTY

330107092432301. Local number, 19S16W35DDC1.
LOCATION.-Lat 33°01'07", long 92°43'23", Hydrologic Unit 08040206, at Junction City.
Owner: Junction City.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-8 in, depth 601 ft, cased 0-546 ft, screened 546-601 ft.
DATUM.--Land surface, 175 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in pipe, south side of pump base, 1.50 ft above land surface.
PERIOD OF RECORD.--November 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 182.33 ft below land surface, Nov. 11, 1967; lowest, 213.58 ft below land surface, Mar. 30, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 5, 1984, 211.80 ft below land surface.

330228092110101. Local number, 19S10W19CCD1.
LOCATION.--Lat 33°02'28", long 92°11'01", Hydrologic Unit 08040202, at Huttig.
Owner: City of Huttig.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 770 ft, cased 0-700 ft, screened 700-770 ft.
DATUM.--Land surface, 98 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 1.50 ft above land surface.
REMARKS.--Water-quality records for 1946 available in files of district office. Well destroyed.
PERIOD OF RECORD.--December 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.35 ft below land surface, May 10, 1966; lowest, 90.42 ft below land surface, April 1, 1982.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 5, 1983, 85.88 ft below land surface.

331358092424301. Local number, 17S16W24BDB1.
LOCATION.--Lat 33°13'58", long 92°42'43", Hydrologic Unit 08040201, at El Dorado (city well No. 17).
Owner: City of El Dorado.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-8 in, depth 615 ft, cased 0-493 ft, screened 493-615 ft.
DATUM.--Land surface, 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1972, August 1977, and June 1981 are available in files of district office.
PERIOD OF RECORD.--April 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 339.29 ft below land surface, Apr. 10, 1973; lowest, 367.38 ft below land surface, Mar. 21, 1980.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 5, 1984, 359.53 ft below land surface.

331438092411901. Local number, 17S15W18DBB1.
LOCATION.--Lat 33°14'38", long 92°41'19", Hydrologic Unit 08040201, near El Dorado (company detector well No. 8A).
Owner: Monsanto Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, depth 540 ft, cased 0-520 ft, screened 520-540 ft.
DATUM.-Land surface, 182.93 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--July 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 269.70 ft below land surface, Apr. 20, 1956; lowest, 357.51 ft below land surface, July 30, 1966.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUE

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	335.34	332.51	329.71	337.15	336.90	335.34	335.35	329.48	330.71	332.87	332.73	332.77
10	335.34	332.13	331.20	336.11	336.59	335.35	335.35	329.53	330.54	332.84	332.48	332.38
15	335.34	330.99	330.58	336.92	336.41	335.35	335.35	329.62	331.23	333.77	331.44	332.94
20	335.34	329.89	329.18	337.09	335.99	335.35	330.35	330.26	330.92	333.55	331.89	333.50
25	335.34	329.58	330.60	337.16	335.35	335.35	330.58	329.64	333.45	333.15	332.75	332.01
EOM	335.34	329.61	335.64	336.73	335.35	335.35	330.23	329.46	333.54	332.68	333.21	331.37

WTR YR 1984 MAX 328.98 NOV. 27-28, 1983 MIN 337.86 JAN. 22, 1984

330855092505601. Local number 18S17W22BDD1.
LOCATION.--Lat 33°08'55", long 92°50'56', Hydrologic Unit 08040206, near Shuler.
Owner: H. G. McKennon.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 705 ft, cased 0-605 ft, screened 605-705 ft.
DATUM.--Land surface, 285 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.20 ft above land surface.
PERIOD OF RECORD.--April 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 315.37 ft below land surface, Apr. 3, 1968; lowest, 343.07 ft below land surface, Sept. 30, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	340.73	341.00	340.22	340.16	341.13	341.18	341.49	341.57	341.77	341.68	342.43	342.71
10	340.81	340.89	340.20	340.31	341.21	341.31	341.49	341.75	341.74	341.81	342.44	342.68
15	340.89	340.87	340.12	340.49	341.25	341.18	341.60	341.87	341.78	341.99	342.50	342.88
20	340.89	340.63	340.18	340.77	341.45	341.06	341.48	341.73	341.77	342.09	342.52	342.89
25	341.07	340.68	340.30	340.75	341.39	341.19	341.59	341.75	341.83	342.27	342.64	342.93
EOM	341.11	340.61	340.28	341.04	341.45	341.43	341.74	341.83	341.57	342.39	342.68	343.05

WTR YR 1984 MAX 339.87 DEC. 28, 1983 MIN 343.07 SEPT. 29, 1984

WOODRUFF COUNTY

351657091203101. Local number, 08N03W31AAD1.
LOCATION.--Lat 35°16'57", long 91°20'31", Hydrologic Unit 08020302, near Augusta.
Owner: E. B. Conner.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in, depth 110 ft, cased 0-80 ft, screened 80-110 ft.
DATUM.--Land surface, 212 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.07 ft below land surface, Dec. 10, 1959; lowest, 22.94 ft below land surface, Sept. 26, 1963.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1984, 21.67 ft below land surface.

QUALITY OF GROUND WATER

GARLAND COUNTY

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
343155093220401	02S22W28CBC1	367BLKL	SP

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
AUG 09...	1425	6	80513	80010	291	7.3	17.0	.10	130	4	4

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
AUG 09...	1425	42	6.9	1.8	1.7	130	135	12	1.9	.30

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)
AUG 09...	1425	14	147	160	10	<1	1	30	<.0	<20

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
AUG 09...	1425	<1	<1	<3	1	4	6	10	<1	<.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG 09...	1425	<10	<1	<1	<1	86	<6	60	.7	.40

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

BEST COPY AVAILABLE

HOT SPRING COUNTY

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
342239093082801	04S20W21AAA1	330ARKS	141

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)
AUG 10...	0810	6	80513	80010	241	7.5	19.5	.20	83	0	0

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
AUG 10...	0810	23	6.0	14	1.1	110	114	3.0	1.6	.10

DATE	TIME	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)
AUG 10...	0810	24	136	140	10	<1	<1	23	<.0	70

DATE	TIME	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
AUG 10...	0810	<1	<1	<3	19	53	1	18	8	.1

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG 10...	0810	<10	1	<1	2	350	<6	81	<.4	.50

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

QUALITY OF GROUND WATER

HOT SPRING COUNTY--CONTINUED

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
342306093224401 -	04S22W17DCB1	330STNL	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
AUG										
10...	1150	6	80513	80010	475	7.4	18.0	1.7	170	16

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
AUG										
10...	1150	16	48	11	23	.60	150	152	9.1	47

DATE	TIME	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
AUG										
10...	1150	.10	25	278	250	<10	<1	<1	28	<.0

DATE	TIME	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
AUG										
10...	1150	<20	<1	<1	<3	13	10	1	32	190

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG										
10...	1150	<10	1	<1	1	350	<6	32	<.4	.60

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

QUALITY OF GROUND WATER

MONTGOMERY COUNTY

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
343309093292101	02S23W20BCD1	367WMBL	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
AUG 09...	1250	6	80513	80010	1080	7.1	16.5	37	570	170	171

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
AUG 09...	1250	170	35	3.9	.70	400	383	210	6.4	.20

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)
AUG 09...	1250	9.7	767	690	<100	1	2	36	1	<20

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
AUG 09...	1250	2	<1	<3	2	4500	6	10	190	<.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG 09...	1250	<10	6	<1	<1	1300	<6	8800	.5	1.6

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

QUALITY OF GROUND WATER

MONTGOMERY COUNTY--CONTINUED

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
342358093370801	04S25W13AAD2	110ALVM	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
AUG 09...	1700	6	80513	80010	152	6.6	19.0	1.8	59	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
AUG 09...	1700	21	1.5	2.8	2.2	64	65	3.2	2.9	<.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)
AUG 09...	1700	7.3	79	81	20	1	<1	49	<.0	<20

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
AUG 09...	1700	<1	<1	<3	1400	9	4	<4	<1	<.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG 09...	1700	<10	2	<1	<1	130	<6	64	<.4	.70

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

POLK COUNTY

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
342805093565201	03S28W24CBD1	361PKCK	SP

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3) (95902)
AUG											
09...	1020	6	80513	80010	176	6.6	14.0	.20	77	2	2

DATE	TIME	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY FIELD (MG/L AS CACO3) (00410)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
AUG										
09...	1020	29	1.1	1.0	.30	75	74	6.3	1.8	.10

DATE	TIME	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)
AUG										
09...	1020	8.1	93	93	20	<1	<1	10	<.0	<20

DATE	TIME	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)
AUG										
09...	1020	<1	<1	<3	1	110	5	6	29	<.1

DATE	TIME	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG										
09...	1020	<10	4	<1	<1	130	<6	29	<.4	.60

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

QUALITY OF GROUND WATER

POLK COUNTY--CONTINUED

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
342906093580701	03S28W15DAA1	361PKCK	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
AUG 09...	0915	6	80513	80020	<.4

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
342659094071901	03S29W32BBA1	350MSRM	160

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
AUG 09...	0700	6	80513	80010	180	7.2	14.0	.20	66	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
AUG 09...	0700	21	3.2	7.8	.60	71	72	9.2	3.5	<.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)
AUG 09...	0700	21	106	110	30	<1	1	10	<.0	60

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
AUG 09...	0700	<1	<1	<3	1	20	5	14	110	<.1

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsylvanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

POLK COUNTY--CONTINUED

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
344109094223401	01S32W11ADC1	328JKFK	410

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
AUG 08...	1245	6	80513	80010	278	7.3	15.5	.50	96	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
AUG 08...	1245	24	8.6	16	1.2	110	112	18	6.3	.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)
AUG 08...	1245	31	170	170	50	<1	<1	260	<.0	50

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
AUG 08...	1245	<1	<1	<3	5	420	5	18	260	<.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG 08...	1245	<10	1	<1	<1	180	<6	13	<.4	.50

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsylvanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

SCOTT COUNTY

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
344605094251701	01N32W8ABC2	326ATOK	100

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
AUG 08...	1530	6	80513	80010	530	7.4	20.0	.40	210	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
AUG 08...	1530	43	24	33	.60	210	209	50	12	.20

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)
AUG 08...	1530	22	312	310	20	<1	<1	96	<.0	130

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
AUG 08...	1530	<1	<1	<3	1	35	6	32	290	.1

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG 08...	1530	<10	1	<1	<1	440	<6	26	<.4	.70

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

341045093055400 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, AR

LOCATION.--Lat 34°10'45", long 93°05'54", in NW 1/4 NW 1/4, sec.36, T.6 S., R.20 W., Clark County, Hydrologic Unit 08040102, approximately 1.6 mi west of Caddo Valley.

PERIOD OF RECORD.--January 1984 to May 1984.

INSTRUMENTATION.--An automatic wet-dry precipitation collector is used to collect 7-day accumulations. The collector is equipped with a precipitation sensor which activates a motor to operate the sample bucket cover. The sample bucket remains uncovered for the duration of each precipiation event and covered during dry periods. Dryfall samples are not collected. A standard 8.0-inch recording rain gage is used to obtain on-site precipitation records.

REMARKS.--These data are part of the data for this site verified by the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Coordinator. Additional data, including collection efficiencies, are available from the NADP/NTN Coordinator, Natural Resource Ecology Laboratory, Fort Collins, Co. 80523. Data for all sites in the network are published quarterly by the NADP/NTN Coordinator's Office. Laboratory analyses were performed by the Central Analytical Laboratory of the Illinois State Water Survey. Additional data for the 1984 water year will be published in "Water Resources Data for Arkansas, Water Year 1985."

CHEMICAL ANALYSES, JANUARY TO MAY 1984

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PRECIP- ITATION TOTAL INCHES/ WEEK (00046)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
1/03-1/10/84	0905-0910	1028	17003	.85	4.6	4.7	13	12	.02
1/10-1/17/84	0910-0900	1028	17003	.00	--	--	--	--	--
1/17-1/24/84	0900-0900	1028	17003	.86	4.6	4.7	15	13	.05
1/24-1/31/84	0900-0900	1028	17003	.00	--	--	--	--	--
2/01-2/07/84	0900-0900	1028	17003	.13	4.2	--	40	--	--
2/07-2/14/84	0900-0900	1028	17003	2.51	5.1	5.0	8	6	.05
2/14-2/21/84	0900-0900	1028	17003	.31	--	--	--	--	--
3/01-3/06/84	1100-0900	1028	17003	.95	4.7	4.8	15	13	.27
3/06-3/13/84	0900-0900	1028	17003	1.46	4.4	4.4	24	21	.16
3/13-3/20/84	0900-0900	1028	17003	.73	4.6	4.7	23	21	.57
3/20-3/27/84	0900-0915	1028	17003	1.40	4.7	4.9	17	14	.43
3/27-3/31/84	0915-0900	1028	17003	2.44	4.8	4.9	13	12	.32
4/03-4/10/84	0900-0090	1028	17003	.71	4.5	4.7	27	20	.62
4/10-4/17/84	0900-0090	1028	17003	.04	--	--	--	--	--
4/17-4/24/84	0900-1000	1028	17003	.32	4.3	4.4	33	31	.83
4/24-4/30/84	1000-0930	1028	17003	.57	--	--	--	--	--
5/01-5/08/84	0930-0930	1028	17003	8.11	5.2	5.4	14	14	.56
5/08-5/15/84	0930-0920	1028	17003	.00	--	--	--	--	--
5/15-5/22/84	0920-0905	1028	17003	.88	4.5	4.6	15	16	.12
5/22-5/29/84	0905-0925	1028	17003	3.11	E4.7	E4.8	E11	E11	E.09

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	PHOS- PHORUS, ORTHO DIS- SOLVED (MG/L AS P) (00671)
1/03-1/10/84	0905-0910	.01	.01	.09	.070	.18	.15	1.0	<.001
1/17-1/24-24	0900-0900	.02	.02	.09	.070	.18	.14	1.1	<.001
2-07-2/14/84	0900-0900	.01	--	.07	<.020	.11	.11	.6	<.001
3/01-3/06/84	1100-0900	.05	.03	.18	.180	.19	.23	1.6	<.001
3/06-3/13/84	0900-0900	.03	.02	.07	.260	.34	.09	2.0	<.001
3/13-3/20/84	0900-0900	.12	.12	.45	.320	.41	.59	2.8	<.001
3/20-3/27/84	0900-0915	.05	.05	.20	.250	.31	.24	1.7	<.001
3/27-3/31/84	0915-0900	.03	.03	.14	.210	.19	.17	1.6	<.001
4/03-4/10/84	0900-0900	.06	.08	.20	.420	.34	.33	2.8	.004
4/17-4/24/84	0900-1000	.12	.08	.28	.460	.64	.40	4.1	.003
5/01-5/08/84	0930-0930	.07	.10	.32	.570	.35	.49	2.1	<.001
5/15-5/22/84	0920-0905	.05	.04	.23	.190	.21	.31	1.5	<.001
5/22-5/29/84	0905-0925	E.02	E.02	E.11	E.160	E.18	E.16	E1.1	E.001

BEST COPY AVAILABLE

Page

Alum Fork Saline River near Reform 585
Antoine River at Antoine 452
Arkansas River at Dam No. 2, near Gillett 349
  at Dam No. 9, near Oppelo 311
  at Dam No. 13, near Van Buren 276
  at Dardanelle 290
  at David D. Terry Lock and Dam, below
    Little Rock 337
  at Lock and Dam 4, near Pine Bluff 342
  at Lock and Dam 5, near Wright 340
  at Murray Dam, at Little Rock 334
  at Ozark Dam, at Ozark 283
  at Toad Suck Ferry Dam, near Conway 316
  at Van Buren 274

Ballard Creek at Summers 489
Band Mill Creek near Brockwell 488
Baron Fork at Dutch Mills 262
Bayou Bartholomew near Ladd 479,496
  near McGehee 481
Bayou De Loutre near El Dorado 482,496
Bayou DeView at Morton 237
  near Gibson 235,494
Bayou Dorcheat near Taylor 424
Bayou Meto near Jacksonville 346
  near Lonoke 348
  near North Little Rock 344
Bear Creek near Horatio 371
  west of Marshall 140
Beaver Lake at Highway 12 Bridge, near Rogers 502
  at Highway 68, near Sonora 497
Beaver Lake at Monte NE 501
  at Rogers Water Intake, near Lowell 499
  at War Eagle 498
  near Avoca 505
  near Eureka Springs 73
  on Prairie Creek, near Rogers 504
Big Creek at Goodwin 489
  at Poplar Grove 245
Big Creek tributary near Boydsville 489
Big Piney Creek at Highway 64, near Dover 286
Big Piney Creek near Dover 285
  near Pansy 474
Big Shoal Creek near Havana 495
Big Slough Ditch near Paragould 34
Black Fork at Black Fork 552
Black River at Black Rock 192
  at Clearwater Dam, MO 176
  at Elgin Ferry 488
  at Pocahontas 181,488
  below Annapolis, MO 540
  near Corning 178
Blue Mountain Lake at Ashley Creek,
    near Waveland 556
Blue Mountain Lake at Sugar Grove 555
  at the Narrows 553
  near Sugar Grove 555
  near Waveland 298
Board Camp Creek near Shady 580
Boat Gunwale Slash near Holly Grove 243
Bodcau Creek near Lewisville 426,495
Brogan Creek near Rover 491
Brush Creek near Mammoth Spring 488
Brushy Creek near Hartley 566
Buffalo River near St. Joe 137
Bull Shoals Lake above Pine Branch,
    at Indian Point 528
Bull Shoals Lake at Forsyth, MO 515
  at Hwy 160, near Theodosia, MO 517
  at Jimmie Creek, near Bull Shoals 529
  below Big Music Creek, near Midway (Fish Pen). 520
  below Big Music Creek, near Midway (Log Boom). 522
  below Big Music Creek, near Midway (Mouth) 525
  near Buck Creek 519
  near Flippin 118
  on Fox Creek, near MO-ARK State line 516
  on Howard Creek, near Lakeview 531
Butler Creek near Sulphur Springs 250,494

Cache River at Egypt 232
  at Patterson 233
Caddo River near Amity 444,495

Page

Cadron Creek near Guy 315
Camp Bayou near Parkdale 493
Caney Creek tributary near El Dorado 493
Chickalah Creek at Chickalah 309,495
Choctaw Creek tributary near Choctaw 488
Clark Corner Cutoff near Colt 51
Clearwater Lake above Finley Branch, MO 541
  at Carter Hollow, MO 542
  at Clearwater Dam, MO 170
  near Carter Spring, on Webb Creek 543
Cockle Burr Slough Ditch near Monette 39
Cooperation 1
Cornie Bayou near Three Creeks 484
Cossatot River below Gillham Dam, near Gillham.. 387
Cossatot River near DeQueen 492
  near Umpire 377
  near Vandervoort 376,567
Cove Creek near Lee Creek 489
Crooked Creek at Harrison 131
  at Yellville 135
  near Harrison 133
Crooked Creek tributary near Dogpatch 487
Cross County Ditch near Birdeye 46
Current River near Pocahontas 179
Cypress Branch near Jacksonville 491
Cypress Creek Canal No. 19 tributary near Dumas. 493

Days Creek southeast of Texarkana 420,495
Definition of terms 3
DeQueen Lake at Bellah Creek near Kellum 565
  at Robinson Creek near Gillham 564
DeQueen Lake near DeQueen 360
Dierks Lake at Camp Creek near Burg 574
Dierks Lake at Hose Creek near Leoanon 575
Dierks Lake near Dierks 392
Dill Branch tributary near Ida 488
Ditch No. 45 near Lepanto 487
Dodd Creek tributary near Mountain Home 487
Downstream order and station number 10
Dunn Creek near Hampton 492
Dutch Creek at Waltreak 490
  at Shark 306

East Fork Point Remove Creek tributary near
    Saint Vincent 490
East Sugarloaf Creek tributary near Lead Hill... 487
Eight Mile Ditch near Paragould 36
Eleven Point River near Pocahontas 190
  near Ravenden Springs 189

Flint Creek at Springtown 260
  near West Siloam Springs, OK 261
Fourche Creek at Red Gate 491
Fourche LaFave River near Aplin 491
  near Gravelly 318
  near Nimrod 327,491
  tributary near Perryville 491
Frog Bayou at Rudy 490

Gaffords Creek near Bluffton 558
Gibbs Creek at Sulphur Rock 488
Gillham Lake above Coon Creek, near Dierks 570
  at Duckett Ford near Umpire 568
  (Opposum Creek Arm) near Duckett 569
Gillham Lake near Gillham 379
Glazypeau Creek at Mountain Valley 492
Grassy Flat Creek at Little Rock 491
Greers Ferry Lake above Hill Creek 546
  at Brush Creek 544
  at Higden 549
  near Choctaw 548
  near Clinton 547
  near Eden Isle 551
  near Heber Springs 208
Ground-water levels (by counties)
  Arkansas 588
  Ashley 589
  Benton 589
  Calhoun 590
  Chicot 590
  Clay 591
  Cleveland 591

Page

Ground-water levels (by counties)--continued
  Columbia 592
  Craighead 592
  Crittenden 595
  Cross 597
  Dallas 599
  Desha 599
  Drew 600
  Fulton 600
  Greene 601
  Hempstead 602
  Jackson 602
  Jefferson 602
  Lafayette 603
  Lee 604
  Little River 604
  Lonoke 605
  Miller 605
  Mississippi 605
  Monroe 606
  Nevada 606
  Ouachita 607
  Phillips 607
  Poinsett 608
  Prairie 608
  St. Francis 609
  Sevier 609
  Union 609
  Woodruff 610
Ground-water records, Explanation of 16
  Collection of data 16

Hanks Creek near Hamburg 493
Hicks Creek near Mountain Home 141
Holly Creek tributary near Benton 492
Hubble Creek near Pocahontas 488
Hurricane Creek near Fern 495
  near Sardis 471,495
  near Sheridan 473
Hydrologic Conditions 1
Hydrologic-data station records 24

Illinois Bayou near Dover 288
  near Scottsville 490
Illinois River at Savoy 254,494
  near Siloam Springs 256,494
Introduction 1

James Fork near Hackett 270

Kings River near Berryville 93,487

Lake Taneycomo at Branson, MO 114
L'Aigle Creek at Hermitage 493
L'Anguille River at Marianna 64
  at Palestine 62
  near Colt 56
  near Cherry Valley 54
Lee Creek near Van Buren 273
Lewis Creek tributary near Mena 492
Little Maumelle River at Ferndale 491
Little Missouri River at Albert 584
  near Boughton 453
  near Langley 446,495
Little Piney Creek near Lamar 490
Little Red River above Searcy 224
  below Searcy 226
  near Heber Springs 219,488
  near Searcy 222
Little River at Millwood Dam, near Ashdown 411
Little River near Horatio 373
  near Wilton 571
Little Sugar Creek at Caverna, MO 494
  near Bentonville 248
Locust Creek Ditch near Paragould 35
Long Creek near Denver 95

Mammoth Spring at Mammoth Spring 183
May Branch at Fort Smith 489
Mazarn Creek at Mazarn 583
McCoy Creek near Dover 490
Measurements at miscellaneous sites 494
Middle Caney Creek tributary near Rosston 492

Page

Middle Fork Little Red River at Shirley 206
  near Shirley 204
Mill Creek at Fort Smith 489
  near Boles 557
  near Hector 495
  near Melbourne 161
Mill Slough tributary near Lockesburg 492
Millwood Lake at Yarborough Landing, near Ashdown 573
Millwood Lake at Highway 332 Bridge, near Schaal 576
Millwood Lake near Ashdown 405
  near Saratoga 579
Millwood Lake on Mine Creek, near Okay 577
Minnow Creek tributary near Hagarville 490
Mississippi River at Memphis, TN 24
  near Arkansas City 351
Moro Creek near Banks 463,495
  near Fordyce 492
Mountain Fork near Hatfield 358
Mulberry River at I-40, near Mulberry 281
Mulberry River near Mulberry 280
Murray Creek near Jonesboro 487

National Trends Network Site near Caddo Valley 611
Nevins Creek tributary near Pine Bluff 493
Nimrod Lake at Hwy 27 Bridge 559
  at Plainview 560
  near Carter Cove 563
  near Nimrod 321
  near Wards Crossing 561
  on Prairie Creek 562
Norfork Lake at Henderson 536
  near Hand 539
  near Norfork 145
  near Udall, MO 533
  on Fall Creek 537
  on Pigeon Creek, near Mountain Home 535
North Fork Creek near Mount Tabor 582
North Fork River at Norfork Dam, near Norfork 155
  at Tecumseh, MO 532
North Fork White Oak Creek tributary near Watalula 490
North Sylamore Creek near Fifty Six 163
Numbering system for wells and miscellaneous sites 10

Osage Creek near Elm Springs 258,494
  southwest of Berryville 89
  west of Berryville 91
Ouachita River at Camden 455
  at Carpenter Dam, near Hot Springs 435
  below Camden 458
  near Donaldson 440
  near Malvern 437
  near Mount Ida 430

Pack Saddle Creek tributary near Waldron 490
Partial-record crest-stage stations 487
Partial-record water-quality stations 497
Pepper Creek near DeQueen 491
Petit Jean River at Danville 308
  near Booneville 295
  near Waveland 304,490
Pigeon Roost Creek at Butlerville 489
Piney Fork at Evening Shade 195
Pope Creek tributary at Birdeye 487
Poteau River at Cauthron 269
  at Waldron 265,495
  northwest of Waldron 267
Prairie Creek at Murfreesboro 448
  near Mena 428
  near Murfreesboro 450
Prairie Creek tributary near Kirby 492
Prairie Cypress Creek near Crossroads 246
Precipitation-Quality Records, Explanation of 17
  Collection of Data 17
Publications 18

Quality of Precipitation 620
Quality of Ground Water 611

Red River at Index 355

Page

Red River near Foreman 353
  near Spring Bank 422
Richland Creek at Goshen 497
Right Hand Chute of Little River at Rivervale 40
Rock Creek at Little Rock 491
Rolling Fork below DeQueen Lake near DeQueen 368
Rolling Fork near DeQueen 491

St. Francis Bay at Riverfront 48
St. Francis River at Fisk, MO 26
  at Holly Island 33
  at Lake City 37
  at Madison 52
  at Parkin 42
  at St. Francis 31
  near Glennonville, MO 29
  near Piggott 32
  near Powe, MO 28
St. Francis River Floodway near Marked Tree 44
Sager Creek near Siloam Springs 495
Saline River at Benton 492
  below Dierks Dam, near Dierks 401
  near Burg 390
  near Dierks 492
  near Fountain Hill 477
  near Lockesburg 404
  near Rye 476
  near Shaw 467
  near Sheridan 469,493
  west of Benton 465
Second Creek near Palestine 61,494
Shirley Creek near Oden 581
Smackover Creek near Smackover 460
  north of Smackover 461
South Fork Caddo River at Fancy Hill 442
South Fork Little Red River at Clinton 207
South Fork Spring River at Saddle 184,494
South Fork Ozan Creek near Ozan 492
South Fourche LaFave River at Hollis 329
  near Hollis 331
Spadra Creek at Clarksville 490
Spavinaw Creek near Cherokee City 252
Special networks and programs 11
Spring River at Imboden 188
  at Ravenden 186
  near Thayer, MO 494
Stage and Water-Discharge Records, Explanation of 11
  Accuracy of 13
  Collection and Computation of 11
  Other data available 14
Stone Dam Creek near Conway 332
Straight Slough near Birdeye 47

Page

Strawberry River near Poughkeepsie 196
  near Smithville 197
Sugar Creek near Booneville 554
Sugar Creek tributary near Walcott 489
Sulphur River south of Texarkana 418
Sunnymede Creek at Fort Smith 489

Table Rock Lake near Branson, MO 97
  near Eagle Rock, MO 507
  near Lampe, MO 509
  (James River Arm) at Cape Fair, MO 511
  (James River Arm) near Kimberling City, MO 512
  (Kings River Arm) near Carr Lane, MO 508
  (Long Creek Arm) near Ridgedale, MO 513
Tarleton Creek tributary at Ethel 489
Trace Creek tributary near Marshall 488

Varnell Creek near Rison 493

Walnut Creek northwest of Crystal Springs 582
War Eagle Creek near Hindsville 487
Water-quality records, Explanation of 14
  Collection and examination of 14
  Sediment 15
  Water analysis 14
  Water temperature 15
Wattensaw Bayou near Hazen 228,494
West Fork Point Remove Creek near Hattieville 490
West Fork White River east of Fayetteville 66
  tributary near Greenland 487
White Oak Branch near Lonoke 491
White Oak Creek near Atkins 313
White River at Arkansas Post Canal, at Batesville 166,488
  at Beaver Dam, near Eureka Springs 86
  at Bull Shoals Dam, near Flippin 129
  at Calico Rock 158
  at Clarendon 239
  at DeValls Bluff 230
  at Georgetown 489
  at Jacksonport 199
  at Newport 201
  at St. Charles 241
  below Table Rock Dam, near Branson, MO 111
  near Augusta 488
  near Fayetteville 68
  near Flippin 487
  near Goshen 69
  near Norfork 143
  near Salado 168
Wilhelmina Cutoff near Campbell, MO 30
Willow Ditch near Egypt 489

October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

624.